INTERFACE CHANGE PROPOSAL (ICP)

ICP NUMBER:

CHANGE PROPOSAL TITLE: ELINT Description MESSAGE

ORIGINATOR and ADDRESS: COMMANDING OFFICER
NAVY CENTER FOR TACTICAL SYSTEMS INTEROPERABILITY
53690 TOMAHAWK DRIVE
SAN DIEGO, CA. 92147-5082

ORIGINATOR'S INTERNAL NO: NV97-008

AFFECTED DOCUMENT: VMF TIDP-TE, Reissue 2

PRIORITY: Routine

ALLIED COORDINATION: None

RECOMMENDATIONS:

RECORD OF PROCESSING:

DATE: ACTION:

1. STATEMENT OF THE PROBLEM (U)

(U) There is no VMF message that addresses the reporting of the description of electronic intelligence events.

2. PROBLEM ANALYSIS (U)

(U) In combat situations, there is always a need to modify/augment previously reported intelligence information. There is a requirement to provide additional descriptive information related to previously reported electronic intelligence events as it becomes available. This additional information may be the result of analysis, availability of additonal information, or a collation of other data. This message will allow this additional information, which will augment a previously reported event, to be submitted in a clear and concise manner.

3. PROPOSED SOLUTION (U)

(U) See attached change pages.

4. ALTERNATE SOLUTION (U)
(U) None.

5. AFFECTED DOCUMENTATION (U)

a. (U) VMF TIDP-TE Volume II, Reissue 2.
b. (U) VMF TIDP-TE Volume III, Reissue 2.
c. (U) Changes to the automated portions of the affected documents are too extensive to affect pen and ink revisions. Pages containing revised tables produced from the updated database will be provided separately after incorporation of the approved ICP into the database.

6. IMPACT ON TEST PLANS AND PROCEDURES (U)

(U) None.

7. IMPACT ON EXTERNAL BASELINES (U)

(U) None.

8. INCORPORATION DATE (U)

(U) Immediately after approval.

9. IMPLEMENTATION DATE (U)

(U) a. Initial Operational Capability (IOC): January 2000

b. Full Operational Capability (FOC): January 2003

10. OTHER CONSIDERATIONS (U)

(U) None.

11. PTRs ADDRESSED IN THIS ICP (U)

(U) None.

12. REFERENCES (U)

a. (U) NWP 1-03.40, Maritime Reporting System
b. (U) OS-OTG, Operational Specification for Over-The-Horizon Targeting GOLD
c. (U) VMF TIDP-TE Volume II, Reissue 2.
d. (U) VMF TIDP-TE Volume III, Reissue 2.
e. (U) MIL-STD-6016.
f. (U) MIL-STD-6040.

13. ATTACHMENTS (U)

a. (U) Change pages for affected documents.
b. (U) Operational Use.

ATTACHMENT 1
PROPOSED CHANGE PAGES
VMF TIDP-TE, REISSUE 2

DFI NAME
(U) 4003 CODED NUMBER

DUI NAME	EXPLANATION	APPLICABILITY
(U) N03 SHIP CONTROL NUMBER [19 BIT]	***A UNIQUE IDENTIFICATION CODE ASSIGNED BY THE OFFICE OF NAVAL INTELLIGENCE (ONI) AND LISTED IN THE WORLDWIDE STANDARD REFERENCE (WWSTAR) AND DST 2050G-612 (SERIES).***	
(U) N04 ELINT NOTATION [35 BIT]	***THE ELECTRONIC INTELLIGENCE (ELINT) NOTATION DESIGNATION, AS DEFINED IN THE NSA ELINT PARAMETER LIMITS (EPL) LIST, OF THE EMITTER BEING REPORTED.***	
(U) N05 PLATFORM IDENTIFICATION NUMBER [63 BIT]	***A NINE ASCII CHARACTER NUMBER COMPOSED OF A LEADING "E" FOLLOWED BY THE TARGET ELECTRONIC SITE NUMBER AND TARGET EQUIPMENT ACCESSION SERIAL NUMBER.***	
(U) N06 DEVELOPMENTAL ELECTRONIC ORDER OF BATTLE/EQUIPMENT NUMBER [63 BIT]	***A NINE ASCII CHARACTER NUMBER COMPOSED OF A LEADING "D" FOLLOWED BY THE IDENTIFIED SITE NUMBER LISTED IN THE ELECTRONIC ORDER OF BATTLE (EOB) FOLLOWED BY THE UNIDENTIFIED EQUIPMENT NUMBER. IF THE SITE IS NOT LISTED IN EOB, THE NUMBER FOLLOWING THE "D" IS COMPOSED OF THE UNIDENTIFIED SITE IDENTIFIER FOLLOWED BY THE EQUIPMENT NUMBER.***	
(U) N08 TARGET IDENTIFIER BE NUMBER WITH SUFFIX [91 BIT]	***A 13 ASCII CHARACTER FIELD COMPOSED OF A LEADING "S" FOLLOWED BY THE WORLD AREA NUMBER, PROGRAM INDICATOR, BASIC ENCYCLOPEDIA (BE) NUMBER (E, F, -),AND INSTALLATION IDENTIFICATION SERIAL NUMBER.***	

DFI NAME
(U) 4003 CODED NUMBER

DUI NAME	EXPLANATION	APPLICABILITY
(U) N09 TARGET IDENTIFIER FIBE NUMBER [77 BIT]	***A 11 ASCII CHARACTER FIELD COMPOSED OF A LEADING "F' FOLLOWED BY THE WORLD AREA NUMBER, PRODUCER UNIT IDENTIFICATION, AND INSTALLATION IDENTIFICATION SERIAL NUMBER. FIELD INITIATED BASIC ENCYCLOPEDIA (BE) (FIBE) NUMBER.***	
(U) N11 ARBITRARY INTERCEPT DESIGNATOR [35 BIT]	***THE ARBITRARY INTERCEPT DESIGNATOR (AID) ASSIGNED BY THE NATIONAL SECURITY AGENCY (NSA) IN THE USSID.***	
(U) N22 UNIQUE IDENTIFICATION [53 BIT]	***ESTABLISHED BY THE SYSTEM THAT PROMULGATES AN EVENT OR ENTITY ONTO A COMMUNICATION NET TO IDENTIFY THAT EVENT OR ENTITY. THE THREE CHARACTER PREFIX IS USED TO IDENTIFY THE PROMULGATING SYSTEM, AND THE REMAINING PART OF THE FIELD IS A SEQUENTIAL NUMBER THAT WILL BE UNIQUE TO EACH EVENT OR ENTITY.***	
(U) N23 EVENT IDENTIFICATION [56 BIT]	***ESTABLISHED BY THE SYSTEM THAT PROMULGATES AN EVENT ONTO A COMMUNICATION NET TO IDENTIFY THAT EVENT. THE THREE CHARACTER PREFIX IS USED TO IDENTIFY THE PROMULGATING SYSTEM, AND THE REMAINING PART OF THE FIELD IS A SEQUENTIAL NUMBER THAT WILL BE UNIQUE TO EACH EVENT.***	

DFI NAME
(U) 4003 CODED NUMBER

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI N03 -----		
(U) A00000 THROUGH A99999	***0 THROUGH 99999***	***NAVAL IN INCREMENTS OF 1.***
(U) B00000 THROUGH B99999	***100000 THROUGH 199999***	***AIRCRAFT IN INCREMENTS OF 1.***
(U) M00000 THROUGH M99999	***200000 THROUGH 299999***	***MERCHANT IN INCREMENTS OF 1.***
(U) N00000 THROUGH N99999	***300000 THROUGH 399999***	***MERCHANT IN INCREMENTS OF 1.***
(U) P00000 THROUGH P99999	***400000 THROUGH 499999***	***PSEUDO IN INCREMENTS OF 1.***
(U) ILLEGAL	***500000 THROUGH 524287***	
(U) ----- FOR DUIS N04, AND N11 -----		
(U) ----- THE 35 BITS OF THESE DUIS ARE DIVIDED INTO 5 GROUPS OF 7 BITS EACH ----- REPRESENTING ANSI ASCII CHARACTER CODING, A-Z, 0-9. SPECIAL ----- CHARACTERS ARE ILLEGAL. -----		
(U) ----- FOR DUIS N05 AND N06 -----		
(U) ----- THE 63 BITS OF THESE DUIS ARE DIVIDED INTO 9 GROUPS OF 7 BITS EACH ----- REPRESENTING ANSI ASCII CHARACTER CODING. -----		
(U) ----- FOR DUIS N08 -----		
(U) ----- THE 91 BITS OF THESE DUIS ARE DIVIDED INTO 13 GROUPS OF 7 BITS EACH ----- REPRESENTING AN ASCII CHARACTER. SPECIAL CHARACTERS ARE ALLOWED. -----		
(U) ----- FOR DUIS N09 -----		
(U) ----- THE 77 BITS OF THESE DUIS ARE DIVIDED INTO 11 GROUPS OF 7 BITS EACH ----- REPRESENTING AN ASCII CHARACTER. SPECIAL CHARACTERS ARE ALLOWED. -----		

DFI NAME
(U) 4003 CODED NUMBER

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI N22 -----		
(U) ----- THE 53 BITS OF THIS DUI ARE DIVIDED INTO 4 GROUPS. THE FIRST 3 GROUPS -----		
(U) ----- ARE 7 BITS EACH REPRESENTING ANSI ASCII CHARACTERS. THE LAST GROUP IS -----		
(U) ----- 32 BITS AND REPRESENTS A DECIMAL VALUE OF 0 THROUGH 4,294,967,295. -----		
(U) ----- FOR DUI N23 -----		
(U) ----- THE 56 BITS OF THIS DUI ARE DIVIDED INTO 4 GROUPS. THE FIRST 3 GROUPS -----		
(U) ----- ARE 7 BITS EACH REPRESENTING ANSI ASCII CHARACTERS. THE LAST GROUP IS -----		
(U) ----- 35 BITS AND REPRESENTS A DECIMAL VALUE OF 0 THROUGH 34,359,738,367. -----		

	DFI	NAME	DEFINITION
(U)	4070	EQUIPMENT MODEL	THE MODEL NUMBER DESIGNATION OF SPECIFIC EQUIPMENT WHOSE STATUS IS BEING REPORTED.

(U) DATA STANDARD USAGE: VMF STATUS:

	DUI	NAME	EXPLANATION	APPLICABILITY
(U)	001	EQUIPMENT MODEL [42 BIT]	THE MODEL NUMBER DESIGNATION OF SPECIFIC EQUIPMENT WHOSE STATUS IS BEING REPORTED.	K02.18
(U)	***N01***	***MIIDS EQUIPMENT CODE [49 BIT]***	***THE SEVEN CHARACTER EQUIPMENT CODE AS DEFINED/ASSIGNED IN THE MILITARY INTELLIGENCE INTEGRATED DATA SYSTEM (MIIDS) AND INTEGRATED DATABASE (IDB).***	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) ----- THE 42 BITS OF THIS EQUIPMENT MODEL ARE DIVIDED INTO 6 GROUPS OF -----		
----- 7 BITS EACH REPRESENTING ANSI ASCII CHARACTER CODING. -----		
----- SPECIAL CHARACTERS ARE ILLEGAL. -----		
(U) ----- FOR DUI N01 -----		
***(U) ----- THE 49 BITS OF THIS EQUIPMENT CODE ARE DIVIDED INTO 7 GROUPS OF -----		
***----- 7 BITS EACH REPRESENTING ANSI ASCII CHARACTER CODING. -----		
***----- SPECIAL CHARACTERS ARE LEGAL. -----		

DFI NAME
(U) 4085 NUMBER

	DUI	NAME	EXPLANATION	APPLICABILITY
(U)	027	LAUNCHER MESSAGE SEQUENCING NUMBER [7 BIT]	A NUMBER THAT IDENTIFIES THE SEQUENCE OF MESSAGES TO THE LAUNCHER.	K02.1
(U)	028	EFFECTS FACTOR [24 BIT]	THE NUMBER USED IN COMPUTATIONS WHEN CALCULATING EFFECTS.	K02.4
(U)	029	POINT LOCATION NUMBER [5 BIT]	A NUMBER THAT IDENTIFIES A SPECIFIC POINT IN A SEQUENCE OF POINTS USED WHEN DESCRIBING A COORDINATION MEASURE.	K02.15
(U)	030	BOUNDARY LABEL POINT NUMBER [5 BIT]	IDENTIFIES A SPECIFIC POINT ON A ZONE OF RESPONSIBILITY WHERE A UNIT LABEL WILL BE PLACED FOR GRAPHICAL PURPOSES.	K02.15
(U)	031	G/VLLD CODE NUMBER [10 BIT]	A UNIQUE GROUND/VEHICULAR LASER LOCATOR DESIGNATOR (G/VLLD) NUMERIC CODE WHICH INDICATES THE LASER DESIGNATOR FOR COPPERHEAD MISSIONS.	K02.37
(U)	***N04***	***SEQUENTIAL CONTACT IDENTIFIER [20 BIT]***	***A UNIQUE IDENTIFIER ASSIGNED BY THE COLLECTOR TO IDENTIFY EACH SPECIFIC POSITION REPORT TO PROVIDE TRACEABILITY TO THE CONTACT DATA.***	

DFI NAME
(U) 4085 NUMBER

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUIS 029 AND 030 -----		
(U) ILLEGAL	0	
(U) NUMERIC	1 THROUGH 30	SEQUENTIAL NUMBERING.
(U) ILLEGAL	31	
(U) ----- FOR DUI 031 -----		
(U) NUMERIC	0 THROUGH 999	CODED NUMBERING.
(U) ILLEGAL	1000 THROUGH 1023	
(U) ----- FOR DUI N04 -----		
(U) ILLEGAL	***0***	
(U) NUMERIC	***1 THROUGH 1048575***	***IN INCREMENTS OF 1.***

DFI NAME — DEFINITION

(U) 4150 NAME — AN IDENTIFIER OF AN ENTITY, COMMONLY CONSIDERED TO BE OR REFERRED TO AS A NAME.

(U) DATA STANDARD USAGE: VMF — STATUS:

	DUI NAME	EXPLANATION	APPLICABILITY
(U)	001 LAST NAME [140 BIT]	THE LAST NAME (SURNAME) OF A SPECIFIC INDIVIDUAL.	K07.2
(U)	002 INITIALS [14 BIT]	THE FIRST LETTER OF THE FIRST NAME AND MIDDLE NAME OF A SPECIFIC INDIVIDUAL.	K07.2
(U)	***N01 EMITTER NAME [84 BIT]***	***THE NAME OF THE EMITTER BEING REPORTED. EMITTER CODE NAME IS CONTAINED IN THE NATIONAL SECURITY AGENCY (NSA) ELECTRONIC INTELLIGENCE (ELINT) PARAMETER LIMITS (EPL) LIST.***	

DATA ITEM	BIT CODE	EXPLANATION

(U) ----- FOR DUI 001 -----

(U) ----- THE 140 BITS OF THIS LAST NAME ARE DIVIDED INTO 20 GROUPS OF 7 BITS -----
----- EACH REPRESENTING ANSI ASCII A THROUGH Z, HYPHEN, AND END OF -----
----- LITERAL FIELD MARKER ARE LEGAL. -----

(U) ----- FOR DUI 002 -----

(U) ----- THE 14 BITS OF THE INITIALS ARE DIVIDED INTO 2 GROUPS OF 7 BITS -----
----- EACH REPRESENTING ANSI ASCII A THROUGH Z. SPACE IS A LEGAL CHARACTER -----

(U) ----- FOR DUI N01 -----

(U) ----- THE 84 BITS OF THIS DUI ARE DIVIDED INTO 12 GROUPS OF 7 BITS -----
----- EACH REPRESENTING ANSI ASCII CHARACTERS A THROUGH Z, AND 0 THROUGH 9. -----
----- SPECIAL CHARACTERS AND END OF LITERAL FIELD MARKER ARE LEGAL. -----

ADD THIS PAGE TO THE VMF TIDP-TE

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DFI	NAME	DEFINITION
(U)	N025 CONFIDENCE LEVEL, VMF	PROVIDES THE DEGREE OF CONFIDENCE OF THE REPORTED EMITTER EVALUATION.

(U) DATA STANDARD USAGE: STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U)	001 NOTATION CONFIDENCE [4 BIT]	EXPRESSES THE CONFIDENCE OF THE ELECTRONIC INTELLIGENCE (ELINT) NOTATION OF THE EMITTER BEING REPORTED.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	0	
(U) UNKNOWN	1	
(U) 20 TO 29 PERCENT	2	LOW
(U) 30 TO 39 PERCENT	3	
(U) 40 TO 49 PERCENT	4	
(U) 50 TO 59 PERCENT	5	
(U) 60 TO 69 PERCENT	6	
(U) 70 TO 79 PERCENT	7	
(U) 80 TO 89 PERCENT	8	
(U) 90 TO 100 PERCENT	9	HIGH
(U) UNDEFINED	10 THROUGH 15	

UNCLASSIFIED

Table 2-1. Default T/R Rules (Sheet 2 of 3)

Message Title	Acknowledgement Required	Message* Precedence	Cla
Fire Unit Capabilities	Yes	0	
Artillery Intelligence Query	Yes	0	
Survey Control Point Information Request	Yes	0	
Request for Clearance to Fire	Yes	2	
Subsequent Adjust	Yes	1	
Execute Fire Plan	Yes	0	
In Progress Mission Notification	Yes	1	
End of Mission Notification	Yes	1	
Tactical Air Request		1	
Mission Request Rejection		0	
Tactical Air Request (TAR) Acceptance		0	
Tactical Air Request Aircrew Briefing		1	
Aircraft On-Station		1	
Aircraft Depart Initial Point		1	
Aircraft Mission Update		1	
ELINT Description Message		***2***	
NBC 1 Report		3	
NBC 2 Report		0	
NBC 3 Report		0	
NBC 4 Report		0	

Table A-1. Message and Purpose Table

NUMBER	MESSAGE	PURPOSE
K04.3	Obstacle Report	To report obstacle type, location, impact on movement, bypass locations, safe corridors and enemy activity near the obstacle.
K04.4	Airborne Artillery Fire Control Radar (FCR) Report	This message provides for the exchange of FCR detected target array information among airborne artillery systems.
K04.9	Bridge Report	To report or confirm the description and condition of a bridge to support trafficability or destruction.
K04.NEW	***ELINT Description Message***	***To provide a description of the Electronic Intelligence (ELINT) contact reported by the ELINT Event message.***
K05.1	Position Report	To provide friendly unit location data.
K05.2	Nuclear, Biological Chemical Report One (NBC 1)	To transmit an observer's initial report of basic data pertinent to a nuclear, biological or chemical attack.
K05.3	Nuclear, Biological Chemical Report Two (NBC 2)	To transmit evaluated data of a nuclear, biological or chemical attack resulting from the processing of one or more NBC 1 reports.
K05.4	Nuclear, Biological Chemical Report Three (NBC 3)	To transmit immediate warning of predicted contamination and hazard areas following NBC attacks.
K05.5	Nuclear, Biological Chemical Report Four (NBC 4)	To transmit NBC monitoring and survey results.
K05.6	Nuclear, Biological Chemical Report Five (NBC 5)	To transmit actual nuclear, biological, or chemical contamination areas.
K05.7	Biological, Chemical Report Six (NBC 6)	To transmit detailed information on biological or chemical attacks.

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT DESCRIPTION MESSAGE

(U) MESSAGE PURPOSE: TO PROVIDE A DESCRIPTION OF THE ELECTRONIC INTELLIGENCE (ELINT) CONTACT REPORTED BY THE ELINT EVENT MESSAGE.

(U)	INDEX NO.	REFERENCE DFI/DUI	DUI NAME	# BITS	CAT	GROUP REPEAT CODE	CODE	RESOLUTION, CODING, ETC
*	1	4003 N23	EVENT IDENTIFICATION	56	M			EVENT IDENTIFIER
*	2.	4003 N22	UNIQUE IDENTIFICATION	53	M			PARENT IDENTIFIER
	3.	4014 002	FPI	1				
	3.1	4004 012	UNIT REFERENCE NUMBER (URN)	24				FRIENDLY URN.
	4.	4014 002	FPI	1				
	4.1	4085 N04	SEQUENTIAL CONTACT IDENTIFIER	20				
	5.	4014 002	FPI	1				
	5.1	4127 005	NATIONALITY	9				
	6.	4014 002	FPI	1				
	6.1	4003 N03	SHIP CONTROL NUMBER	19				
	7.	4014 002	FPI	1				
	7.1	4003 N05	PLATFORM IDENTIFICATION NUMBER	63				
	8.	4014 002	FPI	1				
	8.1	4003 N06	DEVELOPMENTAL ELECTRONIC ORDER OF BATTLE/EQUIPMENT NUMBER	63				
	9.	4014 002	FPI	1				
	9.1	4003 N08	TARGET IDENTIFIER BE NUMBER WITH SUFFIX	91				
	10.	4014 002	FPI	1				
	10.1	4003 N09	TARGET IDENTIFIER FIBE NUMBER	77				

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ADD THIS PAGE TO THE VMF TIDP-TE

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT DESCRIPTION MESSAGE

	INDEX NO.	REFERENCE DFI/DUI	DUI NAME	# BITS	CAT	GROUP CODE	REPEAT CODE	RESOLUTION, CODING, ETC
	11.	4014 001	GPI	1				GPI FOR G1.
	11.1	4045 001	GRI	1		G1	R1C(5)	GRI FOR R1.
	11.2	4014 002	FPI	1		G1	R1	
	11.2.1	4003 N04	ELINT NOTATION	35		G1	R1	
	11.3	4014 002	FPI	1		G1	R1	
*	11.3.1	N025 001	NOTATION CONFIDENCE	4		G1	R1	
	12.	4014 002	FPI	1				
	12.1	4150 N01	EMITTER NAME	84				
	13.	4014 002	FPI	1				
	13.1	4070 N01	MIIDS EQUIPMENT CODE	49				
	14.	4014 002	FPI	1				
	14.1	4003 N11	ARBITRARY INTERCEPT DESIGNATOR	35				
	15.	4014 002	FPI	1				
	15.1	4075 001	COMMENTS	1400				

ADD THIS PAGE TO THE VMF TIDP-TE

K04.NEW Message Processing

TITLE: ELINT Description Message

1. Cases. None.

2. Conditions. None.

3. Defaults. None.

4. Service Restrictions. None.

5. Expected Response. None.

6. Special Considerations.

6.1 More than one ELINT Notation and Notation Confidence can be reported on any ELINT event which is why R1 can have five iterations. If the GRI for R1 is “0" (NOT REPEATABLE) then the one iteration reported will be the primary ELINT Notation and the primary Notation Confidence. If the GRI for R1 is “1" (REPEATABLE) then the subsequent iterations will be sequentially numbered.

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 1 of 2)

K04.NEW MESSAGE ELINT Description Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
1.	4003/N23	Event Identification	M	X
2.	4003/N22	Unique Identification	M	X
3.	4014/002	FPI		X
3.1	4004/012	Unit Reference Number (URN)		X
4.	4014/002	FPI		X
4.1	4085/N04	Sequential Contact Identifier		X
5.	4014/002	FPI		X
5.1	4127/005	Nationality		X
6.	4014/002	FPI		X
6.1	4003/N03	Ship Control Number		X
7.	4014/002	FPI		X
7.1	4003/N05	Platform Identification Number		X
8.	4014/002	FPI		X
8.1	4003/N06	Developmental Electronic Order of Battle/Equipment Number		X
9.	4014/002	FPI		X

K04.NEW MESSAGE ELINT Description Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
9.1	4003/N08	Target Identifier BE Number with Suffix		X
10.	4014/002	FPI		X
10.1	4003/N09	Target Identifier FIBE Number		X
11.	4014/001	GPI for G1		X

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 2 of 2)

K04.NEW MESSAGE ELINT Description Message				
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
11.1	4045/001	GRI		X
11.2	4014/002	FPI		X
11.2.1	4003/N04	ELINT Notation		X
11.3	4014/002	FPI		X
11.3.1	NO25/001	Notation Confidence		X
12.	4014/002	FPI		X
12.1	4150/N01	Emitter Name		X
13.	4014/002	FPI		X

K04.NEW MESSAGE ELINT Description Message				
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
13.1	4070/N01	MIIDS Equipment Code		X
14.	4014/002	FPI		X
14.1	4003/N11	Arbitrary Intercept Designator		X
15.	4014/002	FPI		X
15.1	4075/001	Comments		X

ATTACHMENT 2
OPERATIONAL USE

MESSAGE NO.: ***K04.NEW***

MESSAGE NAME: ***ELINT DESCRIPTION MESSAGE***

OPERATIONAL USE: *The Electronic Intelligence (ELINT) Description message is used to describe ELINT parametrics of enemy, neutral or friendly entities. The information contained in this message is used to augment the information provided in the ELINT Event message. The ELINT Description message defines various system/command center database tags. This message may be transmitted by any unit directly to the next higher level echelon, as well as, to shore analysis facilities. These facilities may also transmit this message to the fleet to enable them to update their databases.*

INFORMATION EXCHANGE REQUIREMENTS:

Joint Intelligence Center (Joint Task Force) (JIC(JTF))	*T/R*
Antiair Warfare Commander (AAWC)	*T/R*
Antisubmarine Warfare Commander (ASWC)	*T/R*
Antisurface Warfare Commander (ASUWC)	*T/R*
All Source Analysis Center (ASAC)	*R*
Antisubmarine Warfare Operations Center (ASWOC)	*R*
Air Operations Center - Intelligence (AOC-INTEL)	*R*
Defense Intelligence Agency (DIA)	*R*
Electronic Warfare Commander (EWC)	*T/R*
Fleet Command Center (FCC)	*R*
Fleet Ocean Surveillance Information Center (FOSIC)	*T/R*
Marine Air Ground Task Force - Intelligence (MAGTF-INTEL)	*T/R*
Officer in Tactical Command/Composite Warfare Commander/Commander, Amphibious Task Force (OTC/CWC/CATF)	*T/R*
Radio Battalion Detachment (RADBN DET)	*T/R*
Submarine Operational Control Center (SUPOPCONCEN)	*R*
Tactical ELINT Processor (TEP)	*T*
Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES)	*T/R*
All Fleet Units	*T*

INTERFACE CHANGE PROPOSAL (ICP)

ICP NUMBER:

CHANGE PROPOSAL TITLE: ELINT Event MESSAGE

ORIGINATOR and ADDRESS: COMMANDING OFFICER
NAVY CENTER FOR TACTICAL SYSTEMS INTEROPERABILITY
53690 TOMAHAWK DRIVE
SAN DIEGO, CA. 92147-5082

ORIGINATOR'S INTERNAL NO: NV97-009

AFFECTED DOCUMENT: VMF TIDP-TE, Reissue 2

PRIORITY: Routine

ALLIED COORDINATION: None

RECOMMENDATIONS:

RECORD OF PROCESSING:

DATE: ACTION:

1. STATEMENT OF THE PROBLEM (U)

(U) There is no VMF message that addresses the reporting of electronic intelligence events as currently required by the OTH-G specification.

2. PROBLEM ANALYSIS (U)

(U) In combat operations, Electronic Intelligence (ELINT) events are time critical since they can effect the activity of enemy, neutral or friendly entities. The information gathered may be used for indications and warnings, database maintenance, updating orders of battle, and strike planning. The information in this message may be transmitted by any unit detecting the ELINT event. The message is sent to the next higher level echelon, as well as, to shore analysis facilities. These facilities may also transmit this message to the fleet to inform them of possible ELINT contact in their area of responsibility. To facilitate the transmission of this information a requirement exists to create a bit oriented ELINT Event message.

3. PROPOSED SOLUTION (U)

(U) See attached change pages.

4. ALTERNATE SOLUTION (U)

(U) None.

5. AFFECTED DOCUMENTATION (U)

a. (U) VMF TIDP-TE Volume II, Reissue 2.
b. (U) VMF TIDP-TE Volume III, Reissue 2.
c. (U) Changes to the automated portions of the affected documents are too extensive to affect pen and ink revisions. Pages containing revised tables produced from the updated database will be provided separately after incorporation of the approved ICP into the database.

6. IMPACT ON TEST PLANS AND PROCEDURES (U)

(U) None.

7. IMPACT ON EXTERNAL BASELINES (U)

(U) None.

8. INCORPORATION DATE (U)

(U) Immediately after approval.

9. IMPLEMENTATION DATE (U)

(U) a. Initial Operational Capability (IOC): January 2000
b. Full Operational Capability (FOC): January 2003

10. OTHER CONSIDERATIONS (U)

(U) None.

11. PTRs ADDRESSED IN THIS ICP (U)

(U) None.

12. REFERENCES (U)

a. (U) NWP 1-03.40, Maritime Reporting System
b. (U) OS-OTG, Operational Specification for Over-The-Horizon Targeting GOLD
c. (U) VMF TIDP-TE Volume II, Reissue 2.
d. (U) VMF TIDP-TE Volume III, Reissue 2.
e. (U) MIL-STD-6016.
f. (U) MIL-STD-6040.

13. ATTACHMENTS (U)

a. (U) Change pages for affected documents.
b. (U) Operational Use.

ATTACHMENT 1
PROPOSED CHANGE PAGES
VMF TIDP-TE, REISSUE 2

DFI NAME
(U) 365 ALTITUDE, HEIGHT

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 409	IR CROSSOVER ALTITUDE [10 BIT]	ALTITUDE AT WHICH IR CROSSOVER PHENOMENA OCCURS, USUALLY EXPRESSED IN AN ALTITUDE RANGE.	K03.1
(U) 410	MINIMUM CEILING [10 BIT]	THE LOWEST CEILING FOR THE REPORTED AREA.	K03.1
(U) 411	AGL ALTITUDE [11 BIT]	ALTITUDE ABOVE GROUND LEVEL (AGL).	K05.17
(U) 412	AGL MAXIMUM ALTITUDE [11 BIT]	THE MAXIMUM ALTITUDE OF A DEFINED AIRSPACE, REFERENCED TO ABOVE GROUND LEVEL (AGL).	K05.17
(U) 413	AGL MINIMUM ALTITUDE [11 BIT]	THE MINIMUM ALTITUDE OF A DEFINED AIRSPACE, REFERENCED TO ABOVE GROUND LEVEL (AGL).	K05.17
(U) N07	***ALTITUDE, 1 [23 BIT]***	***THE ALTITUDE AS MEASURED OUTWARD FROM THE EARTH AS A POSITIVE QUANTITY ABOVE MEAN SEA LEVEL (MSL).***	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 033 -----		
(U) 0 THROUGH 204,750 FEET	0 THROUGH 8190	IN 25 FEET INCREMENTS.
(U) ALTITUDE UNKNOWN	8191	

DFI NAME
(U) 365 ALTITUDE, HEIGHT

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUIS 401-403, AND 408-410 -----		
(U) ILLEGAL	0	
(U) 100 THROUGH 99,900 FEET	1 THROUGH 999	IN 100 FOOT INCREMENTS.
(U) UNDEFINED	1000 THROUGH 1023	
(U) ----- FOR DUI 404 -----		
(U) 0 THROUGH 51,100 FEET	0 THROUGH 511	IN 100 FOOT INCREMENTS.
(U) ----- FOR DUI***S*** 405 AND 406 -----		
(U) 0 THROUGH 131,071 FEET	0 THROUGH 131071	IN 1 FOOT INCREMENTS.
(U) ----- FOR DUI 407 -----		
(U) 0 THROUGH 32,768 FEET	0 THROUGH 32768	IN 1 FOOT INCREMENTS.
(U) -1 THROUGH -2,100 FEET	32769 THROUGH 34868	IN 1 FOOT INCREMENTS.
(U) ILLEGAL	34869 THROUGH 65535	
(U) ----- FOR DUI***S*** 411-413 -----		
(U) 0 TO 2047 FEET	0 THROUGH 2047	IN 1 FOOT INCREMENTS.
(U) ----- FOR DUI N07 -----		
(U) 0 THROUGH 209,919,900 FEET	***0 THROUGH 8388606***	***IN 25 FOOT INCREMENTS.***
(U) GREATER THAN 209,919,900 FEET	***8388607***	

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	DFI	NAME	DEFINITION
(U)	367	SPEED	THE RATE OF CHANGE OF POSITION.

(U) DATA STANDARD USAGE: VMF

STATUS:

	DUI	NAME	EXPLANATION	APPLICABILITY		
(U)	012	WIND STRENGTH [5 BIT]	EXPRESSES THE SPEED OF THE WIND IN KNOTS.	K07.1		
(U)	018	SPEED [11 BIT]	THE RATE OF CHANGE OF POSITION.	K05.13		
(U)	401	MET WIND SPEED [10 BIT]	THE AVERAGE METEOROLOGICAL WIND SPEED IN KNOTS.	K02.3	K03.1	K05.8
(U)	402	MOVING TARGET SPEED [7 BIT]	THE ESTIMATED SPEED OF A MOVING TARGET, IN KILOMETERS PER HOUR (KPH).	K02.4 K02.38	K02.9	K02.17
(U)	403	UNIT SPEED, KPH [11 BIT]	THE RATE OF CHANGE OF POSITION, IN KILOMETERS PER HOUR (KPH).	K04.1	K05.1	K05.17
(U)	404	DOWNWIND SPEED [10 BIT]	DESCRIBES THE DOWNWIND SPEED OF THE INDICATED OBJECT.	K05.2 K05.9	K05.3 K05.10	K05.4
(U)	405	EFFECTIVE WIND SPEED [10 BIT]	THE EFFECTIVE WIND SPEED AS DEFINED IN THE CURRENT VERSION OF ATP-45.	K05.4		
(U)	406	MOVEMENT RATE [2 BIT]	THE SUBJECTIVE RATE OF TRAVEL THAT CAN BE ACCOMMODATED BY THE ROUTE.	K04.2		
(U)	407	PEAK WIND GUSTS [9 BIT]	EXPRESSES WIND GUSTS IN KNOTS.	K03.1		
(U)	***N17***	***GROUND SPEED [13 BIT]***	***THE OBSERVED OR DETECTED RATE OF MOTION OF A TARGET, VEHICLE, OBJECT, EMITTER, OR PHENOMENON.***			

(REVISED 30 AUG 1996)
DFI NO 367 PAGE 1 OF **3**

UNCLASSIFIED

DFI NAME
(U) 367 SPEED

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI N17 -----		
(U) 0.00 THROUGH 819.10 KILOMETERS PER HOUR	***0 THROUGH 8191***	***IN 1/10 KILOMETER PER HOUR INCREMENTS***

DFI NAME
(U) 371 HEADING

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 410	OFFSET DIRECTION [3 BIT]	DEFINES THE INTERCARDINAL DIRECTION TO ALLOW THE SPOTTER TO OFFSET THE FIRST SALVO IN A DANGER CLOSE MISSION, MEASURED FROM GRID NORTH.	K02.4
(U) 411	TARGET COURSE [3 BIT]	INDICATES THE DIRECTION A TARGET IS TRAVELING IN TERMS OF THE POINTS OF A COMPASS.	K02.38
(U) N17	***COURSE, INTERCARDINAL [4 BIT]***	***THE HORIZONTAL DIRECTIONS OF MOVEMENT IN TERMS OF ONE OF EIGHT (8) POINTS OF THE COMPASS.***	
(U) N18	***HEADING, 2 [9 BIT]***	***THE DIRECTION IN WHICH THE LONGITUDINAL AXIS OF AN AIRCRAFT, SHIP OR ENTITY IS POINTED, EXPRESSED IN DEGREES CLOCKWISE FROM TRUE NORTH.***	
(U) N19	***HEADING, INTERCARDINAL [4 BIT]***	***THE DIRECTION IN WHICH THE LONGITUDINAL AXIS OF AN AIRCRAFT, SHIP OR ENTITY IS POINTED, EXPRESSED IN TERMS OF ONE OF EIGHT (8) POINTS OF THE COMPASS.***	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 003 -----		
(U) NO STATEMENT/NOT OBSERVED	0	
(U) 10 THROUGH 360 DEGREES	1 THROUGH 36	IN 10 DEGREE INCREMENTS.
(U) ILLEGAL	37 THROUGH 63	

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DFI NAME
(U) 371 HEADING

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUIS N17 AND N19 -----		
(U) NORTH	***0***	
(U) NORTHEAST	***1***	
(U) EAST	***2***	
(U) SOUTHEAST	***3***	
(U) SOUTH	***4***	
(U) SOUTHWEST	***5***	
(U) WEST	***6***	
(U) NORTHWEST	***7***	
(U) UNDEFINED	***8 THROUGH 13***	
(U) RESET TO NO STATEMENT	***14***	
(U) NO STATEMENT	***15***	
(U) ----- FOR DUI N18 -----		
(U) 0 THROUGH 359 DEGREES	***0 THROUGH 359***	***IN 1 DEGREE INCREMENTS.***
(U) ILLEGAL	***360 THROUGH 509***	
(U) RESET TO NO STATEMENT	***510***	
(U) NO STATEMENT	***511***	

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	DFI	NAME	DEFINITION
(U)	372	BEARING	EXPRESSES THE ANGULAR DISPLACEMENT FROM NORTH FROM ONE OBJECT TO ANOTHER.

(U) DATA STANDARD USAGE: VMF STATUS:

	DUI	NAME	EXPLANATION	APPLICABILITY		
(U)	401	TACAN BEARING [9 BIT]	THE LINE EXTENDING FROM AN OBJECT OR GEOGRAPHIC POINT TO A TACAN STATION RELATIVE TO MAGNETIC NORTH.	K02.27		
(U)	402	LEFT RADIAL LINE DIRECTION [9 BIT]	THE DIRECTION OF THE LEFT RADIAL LINE MEASURED FROM THE TARGET LOCATION.	K05.2	K05.3	K05.4
(U)	403	RIGHT RADIAL LINE DIRECTION [9 BIT]	THE DIRECTION OF THE RIGHT RADIAL LINE MEASURED FROM THE TARGET LOCATION.	K05.2	K05.3	K05.4
(U)	404	DIRECTION OF ATTACK FROM OBSERVER [9 BIT]	DIRECTION OF ATTACK FROM OBSERVER IN RELATION TO MAGNETIC NORTH.	K05.2		
(U)	405	DIRECTION TO THE ENEMY [4 BIT]	THE DIRECTION FROM THE CENTER OF THE MEDEVAC PICKUP ZONE TO A POINT WHERE ENEMY ACTIVITY HAS BEEN IDENTIFIED RELATIVE TO TRUE NORTH.	K07.1		
(U)	***N12***	***BEARING UNCERTAINTY, 0.01 [14 BIT]***	***THE POSSIBLE ERROR IN MEASUREMENT ASSOCIATED WITH SENSOR PRECISION, ACCURACY AND READING OF BEARING, EXPRESSED TO THE NEAREST HUNDREDTH OF A DEGREE.***			
(U)	***N13***	***BEARING, 0.01 DEGREE [16 BIT]***	***THE ANGULAR DISPLACEMENT FROM TRUE NORTH IN HUNDREDTHS OF A DEGREE.***			

DFI NAME DEFINITION

(U) 372 BEARING

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI N12 -----		
(U) 0.00 THROUGH 90.00 DEGREES	***0 THROUGH 9000***	***IN 1/100 DEGREE INCREMENTS.***
(U) ILLEGAL	***9001 THROUGH 16383***	
(U) ----- FOR DUI N13 -----		
(U) 000.00 THROUGH 359.99 DEGREES	***0 THROUGH 35999***	***IN 1/100 DEGREE INCREMENTS.***
(U) ILLEGAL	***36000 THROUGH 65535***	

	DFI	NAME	DEFINITION
(U)	380	SECOND	EXPRESSES THE SECOND OF THE MINUTE.

(U) DATA STANDARD USAGE: VMF STATUS:

	DUI	NAME	EXPLANATION	APPLICABILITY
(U)	001	SECOND [6 BIT]	THE SECOND OF THE MINUTE.	K05.1 K05.13 K05.17
(U)	401	FUZE SETTING CORRECTION [8 BIT]	THE CORRECTION OF FUZE SETTING DERIVED FROM THE REGISTRATION.	K02.2
(U)	402	FIXED POINT SECOND [6 BIT]	THE SECONDS OF A MINUTE THAT A MOVING TARGET'S POSITION IS DETERMINED.	K02.4
(U)	403	EFFECTIVE SECOND [6 BIT]	THE EFFECTIVE SECOND OF AN EVENT OR REPORT.	K02.1
(U)	404	TIME TO FIRE SECOND [6 BIT]	THE SECOND OF A MINUTE THAT A FIRE MISSION IS TO BE FIRED.	K02.4
(U)	405	SCAN SECOND [6 BIT]	THE SECOND OF THE SCAN.	K04.4
(U)	406	MESSAGE SECOND [6 BIT]	THE SECOND THE MESSAGE WAS ORIGINATED.	K01.3
(U)	***N08***	***SECOND, 0.000000001 [36 BIT]***	***THE SECOND OF A MINUTE MEASURED IN NANOSECONDS.***	

	DFI	NAME
(U)	380	SECOND

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI 401 -----		
(U) 0.0 THROUGH 9.9 SECONDS	0 THROUGH 99	IN 1/10 SECOND INCREMENTS.
(U) ILLEGAL	100 THROUGH 128	
(U) -0.1 THROUGH -9.9 SECONDS	129 THROUGH 227	IN 1/10 SECOND INCREMENTS.
(U) ILLEGAL	228 THROUGH 255	
(U) ----- FOR DUIS 001, AND 402-406 -----		
(U) 0 THROUGH 59 SECONDS	0 THROUGH 59	IN 1 SECOND INCREMENTS.
(U) ILLEGAL	60 THROUGH 62	
(U) NO STATEMENT	63	
(U) ----- FOR DUI N08 -----		
(U) .000000000 THROUGH 59.999999999 SECONDS	***0 THROUGH 59999999999***	***IN 1/100000000 SECOND INCREMENTS.***
(U) ILLEGAL	***60000000000 THROUGH 68719476735***	

ADD THIS PAGE TO THE VMF TIDP-TE

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	DFI	NAME	DEFINITION
(U)	417	FREQUENCY	EXPRESSES THE FREQUENCY OR FREQUENCY RANGE OF AN EMITTER.

(U) DATA STANDARD USAGE: VMF — STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N12 FREQUENCY, 3 [20 BIT] (FRQ3)	THIS FIELD IS USED WITH THE FREQUENCY MULTIPLIER, 3 FIELD TO SPECIFY A SINGLE FREQUENCY BEING DESCRIBED.	
(U) N14 PEAK FREQUENCY [20 BIT]	THE HIGHEST (PEAK) FREQUENCY OF THE WAVEFORM.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N12 -----		
(U) NO STATEMENT	0	
(U) NUMERIC	1 THROUGH 1048574	EXPRESSED IN HERTZ. THIS VALUE IS USED WITH THE FREQUENCY MULTIPLIER, 3 FIELD TO SPECIFY MULTIPLES OF THIS FREQUENCY.
(U) RESET TO NO STATEMENT	1048575	
(U) ----- FOR DUI N14 -----		
(U) NO STATEMENT	0	
(U) NUMERIC	1 THROUGH 1048574	EXPRESSED IN HERTZ. THIS VALUE IS USED WITH THE PEAK FREQUENCY MULTIPLIER FIELD TO SPECIFY MULTIPLES OF THIS FREQUENCY.
(U) RESET TO NO STATEMENT	1048575	

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	DFI	NAME	DEFINITION
(U)	424	THREAT EVALUATION	EVALUATES THE THREAT OF A REPORTED ECM OR ESM INTERCEPT.

(U) DATA STANDARD USAGE: STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 003	THREAT EVALUATION [3 BIT]	INDICATES WHETHER OR NOT AN EMITTER IS A THREAT.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 003 -----		
(U) PENDING/NO STATEMENT	0	
(U) UNKNOWN	1	
(U) NON-THREAT	2	
(U) THREAT	3	
(U) FRIEND	4	
(U) UNDEFINED	5 THROUGH 7	

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	DFI	NAME	DEFINITION
(U)	433	SCAN TYPE	THE SCAN TYPE OF AN EMITTER.

(U) DATA STANDARD USAGE: VMF STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N01 SCAN TYPE, VMF [5 BIT]	THE TYPE OF PATTERN OR SCAN THAT THE EMITTED ELECTROMAGNETIC ENERGY FOLLOWS AS A VOLUME IN SPACE IS SEARCHED.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		
(U) NO STATEMENT	0	
(U) FIXED SCAN	1	
(U) CIRCULAR/ROTATING SCAN	2	THE CIRCULAR OR ROTATING MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) LOBE SWITCHING	3	THE SWITCHING LOBE MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) HEIGHT FINDER	4	
(U) SECTOR SCAN	5	THE SECTOR MOVEMENT OF EMITTED ELECTROMAGNTIC ENERGY.
(U) CONICAL SCAN	6	THE CONICAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) COMPLEX SCAN	7	
(U) SPIRAL	8	THE SPIRAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) RASTER	9	THE RASTER SCAN MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) VARIABLE/RANDOM	10	
(U) STEADY (NOT TRACKING)	11	
(U) MANUAL	12	

ADD THIS PAGE TO THE VMF TIDP-TE

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DFI NAME DEFINITION

(U) 433 SCAN TYPE

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) UNI-DIRECTIONAL (PLANE UNDETERMINED)(UNI)	13	THE UNI-DIRECTIONAL MOVEMENT, IN AN UNDETERMINED PLANE, OF EMITTED ELECTROMAGNETIC ENERGY.
(U) UNDETERMINED	14	THE SCAN TYPE IS UNKNOWN.
(U) HORIZONTAL SECTOR (BIDI)	15	THE BI-DIRECTIONAL MOVEMENT, IN A HORIZONTAL PLANE, OF EMITTED ELECTROMAGNETIC ENERGY.
(U) HORIZONTAL SECTOR (UNI)	16	THE UNI-DIRECTIONAL MOVEMENT, IN A HORIZONTAL PLANE, OF EMITTED ELECTROMAGNETIC ENEGY.
(U) VERTICAL SECTOR (NODDING) (BIDI)	17	THE BI-DIRECTIONAL MOVEMENT, IN A VERTICAL PLANE, OF EMITTED ELECTROMAGNETIC ENERGY.
(U) VERTICAL SECTOR (UNI)	18	THE UNI-DIRECTIONAL MOVEMENT, IN A VERTICAL PLANE, OF EMITTED ELECTROMAGNETIC ENERGY.
(U) SECTOR AND CONICAL	19	THE SECTOR AND CONICAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) BI-DIRECTIONAL (PLANE UNDETERMINED) (BIDI)	20	THE BI-DIRECTIONAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) CIRCULAR AND CONICAL	21	THE CIRCULAR AND CONICAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) HELICAL	22	THE HELICAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) IRREGULAR, UNSTEADY OR MANUAL	23	THE IRREGULAR, UNSTEADY OR MANUAL, MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.

ADD THIS PAGE TO THE VMF TIDP-TE

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DFI NAME DEFINITION

(U) 433 SCAN TYPE

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) TRACKING, OTHER THAN LOBE SWITCHING	24	THE TRACKING BEAM MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY, EXCLUDING CONICAL OR LOBE SWITCHING.
(U) PALMER AND CONICAL	25	
(U) CIRCULAR AND VERTICAL SECTOR	26	
(U) SPIRAL AND CONICAL	27	THE COMBINATION OF SPIRAL AND CONICAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) HELICAL AND CONICAL	28	THE COMBINATION OF HELICAL AND CONICAL MOVEMENT OF EMITTED ELECTROMAGNETIC ENERGY.
(U) OTHER COMBINATIONS	29	
(U) WITH DIRECTOR	30	
(U) RESET SCAN FIELDS TO NO STATEMENT	31	

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	DFI	NAME	DEFINITION
(U)	434	EMISSION POLARIZATION	THE POLARIZATION OF AN EMISSION.

(U) DATA STANDARD USAGE: *STATUS:*

DUI	NAME	EXPLANATION	APPLICABILITY
(U) N01	EMISSION POLARIZATION [4 BIT] (PLR)	DESCRIBES THE POLARIZATION OF ESM EMISSIONS.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		
(U) NO STATEMENT	0	
(U) HORIZONTAL	1	
(U) VERTICAL	2	
(U) ROTATING	3	
(U) SLANT	4	
(U) CIRCULAR/UNKNOWN	5	
(U) CIRCULAR/LEFTHAND	6	
(U) CIRCULAR/RIGHTHAND	7	
(U) ELLIPTICAL/UNKNOWN	8	
(U) ELLIPTICAL/LEFTHAND	9	
(U) ELLIPTICAL/RIGHTHAND	10	
(U) UNDEFINED	11 THROUGH 14	
(U) RESET TO NO STATEMENT	15	

ADD THIS PAGE TO THE VMF TIDP-TE

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	DFI	NAME	DEFINITION
(U)	*435*	*PULSE DURATION*	*THE TIME DURATION, IN MICROSECONDS, BETWEEN THE HALF POWER POINTS (.707 VOLTAGE POINTS) OF THE ENVELOPE OF THE RADIO FREQUENCY PULSE OF AN ELECTRONIC EMITTER.*

(U) DATA STANDARD USAGE: VMF *STATUS:*

DUI	NAME	EXPLANATION	APPLICABILITY
(U) N01	*PULSE WIDTH [14 BIT]*	*IDENTIFIES THE PULSE WIDTH OF ESM EMISSIONS.*	
(U) N02	*PULSE WIDTH, FIRST LOBE [15 BIT]*	*DEFINES THE WIDTH OF THE FIRST HALF-WAVE OF THE SIGNAL FOR ULTRA WIDE BAND SYSTEMS.*	
(U) N03	*PULSE WIDTH, SECOND LOBE [15 BIT]*	*DEFINES THE WIDTH OF THE SECOND HALF-WAVE OF THE SIGNAL FOR ULTRA WIDE BAND SYSTEMS.*	
(U) N04	*PULSE WIDTH, COMPOSITE [15 BIT]*	*DEFINES THE WIDTH OF THE FULL/ENTIRE WAVE FORM FOR ULTRA WIDE BAND SYSTEMS.*	
(U) N05	*PULSE WIDTH SWITCHING HIGH VALUE [14 BIT]*	*THE TIME DURATION OF THE WIDEST MEASURED PULSE IN A PULSE WIDTH SWITCHING EMITTER.*	
(U) N06	*PULSE WIDTH SWITCHING LOW VALUE [14 BIT]*	*THE TIME DURATION OF THE NARROWEST MEASURED PULSE IN A PULSE WIDTH SWITCHING EMITTER.*	
(U) N07	*PULSE RATE [8 BIT]*	*THE PULSE REPETITION FREQUENCY AT WHICH PULSES, OR A GROUP OF PULSES, ARE TRANSMITTED BY AN ELECTRONIC EMITTER, EXPRESSED IN KILOBITS PER SECOND.*	

ADD THIS PAGE TO THE VMF TIDP-TE

	DFI	NAME	DEFINITION
(U)	435	PULSE DURATION	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		
(U) NO STATEMENT	0	
(U) 0.05 THROUGH 819.10 MICROSECONDS	1 THROUGH 16382	IN 5/100 MICROSECOND INCREMENTS.
(U) RESET TO NO STATEMENT	16383	
(U) ----- FOR DUIS N02 - N04 -----		
(U) NO STATEMENT	0	
(U) .005 THROUGH 100.000 NANOSECONDS	1 THROUGH 20000	IN 5/1000 NANOSECOND INCREMENTS.
(U) UNDEFINED	20001 THROUGH 32766	
(U) RESET TO NO STATEMENT	32767	
(U) ----- FOR DUIS N05 AND N06 -----		
(U) NO STATEMENT	0	
(U) 0.05 THROUGH 819.15 MICROSECONDS	1 THROUGH 16383	IN 5/100 MICROSECOND INCREMENTS.
(U) ----- FOR DUI N07 -----		
(U) NO STATEMENT	0	
(U) 1 THROUGH 208 KILOBITS	1 THROUGH 208	IN 1 KILOBIT PER SECOND INCREMENTS.
(U) UNDEFINED	209 THROUGH 254	
(U) RESET TO NO STATEMENT	255	

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	DFI	NAME	DEFINITION
(U)	440	PULSE REPETITION FREQUENCY	THE RATE AT WHICH PULSES OR GROUPS OF PULSES ARE TRANSMITTED BY AN ELECTRONIC EMITTER.

(U) DATA STANDARD USAGE: VMF STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) N01	PULSE REPETITION FREQUENCY (PRF),VMF [29 BIT]	THE RATE AT WHICH PULSES OR PULSE GROUPS ARE TRANSMITTED.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		
(U) UNKNOWN	0	
(U) 0.1 THROUGH 53,687,091.1 HERTZ	1 THROUGH 536870911	IN 1/10 HERTZ (PPS) INCREMENTS.

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	DFI	NAME	DEFINITION
(U)	1203	FREQUENCY AGILITY	

(U) DATA STANDARD USAGE: STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N01 FREQUENCY AGILITY INDICATOR, VMF [2 BIT]	INDICATES THE REFERENCED EMITTER IS EXHIBITING RADIO FREQUENCY AGILITY CHARACTERISTICS.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		
(U) NO STATEMENT	0	
(U) RADIO FREQUENCY AGILITY NOT PRESENT	1	
(U) RADIO FREQUENCY AGILITY PRESENT	2	
(U) RESET TO NO STATEMENT	3	

ADD THIS PAGE TO THE VMF TIDP-TE

UNCLASSIFIED

DFI	NAME	DEFINITION
(U) 1580	ANTENNA SCAN RATE	THE ROTATIONAL SPEED OF A RADAR ANTENNA.

(U) DATA STANDARD USAGE: VMF — STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N01 SCAN RATE, VMF [14 BIT]	THE RATE REQUIRED FOR A BEAM OF RADIO FREQUENCY ENERGY TO COMPLETE A GIVEN SCAN PATTERN.	
(U) N02 SCAN PERIOD, VMF [17 BIT]	THE TIME REQUIRED FOR A BEAM OF RADIO FREQUENCY ENERGY TO COMPLETE ONE SCAN.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		
(U) NO STATEMENT	0	
(U) 1 THROUGH 32,766 HERTZ	1 THROUGH 32766	IN 1 HERTZ INCREMENTS.
(U) EQUAL TO/GREATER THAN 32,767 HERTZ	32767	
(U) ----- FOR DUI N02 -----		
(U) 0 THROUGH 9999.9 SECONDS	0 THROUGH 99999	IN 1/10 SECOND INCREMENTS.
(U) ILLEGAL	100000 THROUGH 131071	

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DFI	NAME	DEFINITION
(U) 1820	FREQUENCY SCALE INDICATOR	

(U) DATA STANDARD USAGE: VMF — STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) N01	FREQUENCY MULTIPLIER, 3 [4 BIT] (FRQ ML3)	EXPRESSED AS A POWER OF TEN. THIS FIELD IS USED AS A MULTIPLIER TO DETERMINE THE FREQUENCY, 3.	
(U) N02	PEAK FREQUENCY MULTIPLIER [4 BIT]	EXPRESSED AS A POWER OF TEN. THIS FIELD IS USED AS A MULTIPLIER TO DETERMINE THE PEAK FREQUENCY.	
(U) N03	HOP RATE MULTIPLIER [4 BIT]	EXPRESSED AS A POWER OF TEN. THIS FIELD IS USED AS A MULTIPLIER TO DETERMINE THE HOP RATE OF A FREQUENCY HOP TRANSMISSION.	
(U) N04	HOP SPACING MULTIPLIER [4 BIT]	EXPRESSED AS A POWER OF TEN. THIS FIELD IS USED AS A MULTIPLIER TO DETERMINE THE SPACING BETWEEN HOPS OF A FREQUENCY HOP TRANSMISSION.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUIS N01 - N04 -----		
(U) NUMERIC	0 THROUGH 14	
(U) NO STATEMENT	15	

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	DFI	NAME	DEFINITION
(U)	1821	WARTIME RESERVE MODE INDICATOR	INDICATES THAT AN EMITTER IS OPERATING IN ITS NORMAL OPERATING MODE OR IN ITS WARTIME RESERVE MODE.

(U) DATA STANDARD USAGE: STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N01 WARTIME RESERVE MODE, 1 [2 BIT] (WTR MDE)	INDICATES THAT AN EMITTER IS OPERATING IN ITS NORMAL OPERATING MODE OR ITS WARTIME RESERVE MODE.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		
(U) NO STATEMENT	0	
(U) NORMAL OPERATIONS	1	INDICATES THE EMITTER IS FUNCTIONING IN ITS NORMAL OPERATING MODE.
(U) WARTIME RESERVE MODE	2	INDICATES THE EMITTER IS FUNCTIONING IN ITS WARTIME RESERVE MODE. WARTIME RESERVE MODE IS: AN INTENTIONAL CHANGE IN OBSERVABLE ELECTRO-MAGNETIC EMITTER PARAMETER OR OPERATIONAL PROCEDURE INTENDED TO REDUCE THE EFFECTIVENESS OF EW EQUIPMENT OR OTHER DETECTION, CLASSIFICATION, AND SUPPORT ACTIVITIES OF OPPOSING FORCES.
(U) RESET TO NO STATEMENT	3	

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	DFI	NAME	DEFINITION
(U)	1862	CORRELATION INDICATOR	

(U) DATA STANDARD USAGE: STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N01 CORRELATION INDEX [14 BIT]	A CODE FOR A NATIONAL SYSTEM. FOR FURTHER U.S. IMPLEMENTATION GUIDANCE, SEE JIEO CIRCULAR 9152, ITEM 293.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N01 -----		

(U) ----- THE 14 BITS OF THE CORRELATION INDEX ARE DIVIDED INTO 2 GROUPS OF 7 BITS -----
----- EACH REPRESENTING ANSI ASCII CHARACTER CODING, SPECIAL CHARACTERS ARE LEGAL. -----

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	DFI	NAME	DEFINITION
(U)	*1903*	*PULSE REPETITION INTERVAL*	*THE INTERVAL OF TIME BETWEEN TWO TRANSMITTED PULSES OR PULSE GROUPS.*

(U) DATA STANDARD USAGE: VMF *STATUS:*

DUI	NAME	EXPLANATION	APPLICABILITY
(U) N01	*AVERAGE PRI [28 BIT]*	*THE AVERAGE INTERVAL (PULSE REPETITION INTERVAL (PRI)) OF TIME BETWEEN TRANSMITTED PULSES OR PULSE GROUPS.*	
(U) N03	*PRI STABILITY [6 BIT]*	*THE STABILITY OF THE PULSE REPETITION INTERVAL (PRI) IN TERMS OF DEVIATION FROM THE CENTER PRI.*	
(U) N04	*PRI TYPE [3 BIT]*	*THE TYPE OF PULSE REPETITION INTERVAL (PRI) BEING MEASURED.*	
(U) N05	*PULSE REPETITION INTERVAL (PRI), VMF [28 BIT]*	*THE INTERVAL OF TIME BETWEEN TWO TRANSMITTED PULSES.*	
(U) N06	*GROUP REPETITION INTERVAL (GRI), VMF [28 BIT]*	*THE INTERVAL OF TIME BETWEEN TWO TRANSMITTED PULSE GROUPS.*	
(U) N07	*AVERAGE GROUP REPETITION INTERVAL [28 BIT]*	*THE AVERAGE INTERVAL OF TIME BETWEEN PULSE GROUPS.*	
(U) N08	*STAGGER LEGS {28 BIT]*	*THE INTERVAL BETWEEN ADJACENT PULSES WITHIN A PULSE GROUP.*	

ADD THIS PAGE TO THE VMF TIDP-TE

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DFI NAME
(U) 1903 PULSE REPETITION INTERVAL

DATA ITEM	BIT CODE	EXPLANATION
(U) N11 PRI STAGGER LEGS {5 BIT]	THE PRI STAGGER DISPLAYED BY A GIVEN PULSED EMITTER IN TERMS OF THE TYPE OF STAGGER.	
(U) N12 STAGGER HIGH {14 BIT]	INDICATES THE HIGH VALUE MEASUREMENT OF THE OCCURRENCE OF THE FIRST STAGGERED PULSE.	
(U) N13 STAGGER LOW {14 BIT]	INDICATES THE LOW VALUE MEASUREMENT OF THE OCCURRENCE OF THE FIRST STAGGERED PULSE.	
(U) ----- FOR DUIS N01, AND N05 - N08 -----		
(U) ILLEGAL	0	
(U) 0.1 THROUGH 26,843,545.5 NANOSECONDS	1 THROUGH 268435455	IN 1/10 NANOSECOND INCREMENTS.
(U) ----- FOR DUI N03 -----		
(U) 0.0000 THROUGH 0.0020	0 THROUGH 20	IN 1/10000 MICROSECOND INCREMENTS.
(U) 0.0021 THROUGH 0.0100	21 THROUGH 36	IN 4/10000 MICROSECOND INCREMENTS.
(U) 0.0101 THROUGH 0.1	37 THROUGH 45	IN 99/10000 MICROSECOND INCREMENTS.
(U) 0.1001 THROUGH 1.0	46 THROUGH 54	IN 999/10000 MICROSECOND INCREMENTS.
(U) 1.0001 THROUGH 5.0	55 THROUGH 58	IN 1.0000 MICROSECOND INCREMENTS.
(U) 5.0001 THROUGH 10.0	59	MICROSECONDS
(U) 10.0001 THROUGH 25.0	60	MICROSECONDS
(U) 25.0001 THROUGH 50.0	61	MICROSECONDS
(U) 50.0001 THROUGH 99.9999	62	MICROSECONDS
(U) NO STATEMENT	63	

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DFI NAME

(U) 1903 PULSE REPETITION INTERVAL

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI N04 -----		
(U) NO STATEMENT	0	
(U) SIMPLE	1	
(U) STAGGER	2	
(U) PHASE SHIFT	3	
(U) COMPLEX	4	
(U) UNDETERMINED	5	
(U) CONTINUOUS WAVE (CW)	6	
(U) UNDEFINED	7	
(U) ----- FOR DUI N11 -----		
(U) NO STATEMENT	0	
(U) 2-POSITION STAGGER	1	
(U) 3-POSITION STAGGER	2	
(U) 4-31 POSITION STAGGER	3 THROUGH 30	
(U) 32-POSITION STAGGER OR GREATER	31	
(U) ----- FOR DUIS N12 AND N13 -----		
(U) NO STATEMENT	0	
(U) 0.05 THROUGH 819.15 MICROSECONDS	1 THROUGH 16383	IN 5/100 MICROSECOND INCREMENTS.

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DFI NAME
(U) 4003 CODED NUMBER

DUI	NAME	EXPLANATION	APPLICABILITY
(U) N04	***ELINT NOTATION [35 BIT]***	***THE ELECTRONIC INTELLIGENCE (ELINT) NOTATION DESIGNATION, AS DEFINED IN THE NSA ELINT PARAMETER LIMITS (EPL) LIST, OF THE EMITTER BEING REPORTED.***	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUIS 001 AND 004 -----		
(U) ----- THE 28 BITS OF THIS TARGET NUMBER ARE DIVIDED INTO 3 GROUPS. ----- THE FIRST 2 GROUPS ARE 7 BITS EACH AND REPRESENT ANSI ASCII A ----- THROUGH Z CHARACTER CODING. THE LAST GROUP IS 14 BITS AND ----- REPRESENTS A DECIMAL VALUE OF 0 THROUGH 9999. STRUCTURE OF THE ----- TARGET NUMBER IS CONTAINED IN QSTAG 221, TARGET NUMBERING ----- SYSTEM. -----		

DFI NAME
(U) 4003 CODED NUMBER

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI 002 -----		
(U) ----- THE 28 BITS OF THIS REQUEST NUMBER ARE DIVIDED INTO 4 GROUPS. ----- ----- THE FIRST 3 GROUPS ARE 7 BITS EACH AND REPRESENT ANSI ASCII A ----- ----- THROUGH Z CHARACTER CODING. THE FOURTH GROUP IS 7 BITS AND ----- ----- REPRESENTS A DECIMAL VALUE OF 0 THROUGH 99. -----		
		(REVISED 30 AUG 1996)
(U) ----- FOR DUI***S*** 003 ***AND N04*** -----		
(U) ----- THE 35 BITS OF ~~THIS MISSION NUMBER~~ ***THESE DUIS*** ARE DIVIDED INTO 5 GROUPS OF ----- ----- 7 BITS EACH REPRESENTING ANSI ASCII CHARACTER CODING, A-Z, ----- ----- 0-9. SPECIAL CHARACTERS ARE ILLEGAL. -----		
(U) ----- FOR DUI 005 -----		
(U) ----- THE 35 BITS OF THIS MEDEVAC REQUEST NUMBER ARE DIVIDED INTO 5 ----- ----- GROUPS OF 7 BITS EACH REPRESENTING ANSI ASCII CHARACTER CODING. -----		
(U) ----- FOR DUI 006 -----		
(U) ----- THE 70 BITS OF THIS DUI ARE DIVIDED INTO TEN GROUPS OF 7 BITS EACH ----- ----- REPRESENTING AN ASCII CHARACTER. SPECIAL CHARACTERS ARE ALLOWED. -----		
(U) ----- FOR DUI 007 -----		
(U) 0000 THROUGH 9999	0 THROUGH 9999	THE FIRST TWO DIGITS REPRESENT OPERATION NUMBER AND THE SECOND TWO DIGITS REPRESENT OPERATION YEAR.
(U) ILLEGAL	10000 THROUGH 16383	

(REVISED 30 AUG 1996)

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	DFI	NAME	DEFINITION
(U)	4051	RELIABILITY EVALUATION	THE GENERAL APPRAISAL OF THE SOURCE IN GRADED TERMS TO INDICATE THE EXTENT TO WHICH IT HAS BEEN PROVEN IT CAN BE COUNTED ON OR TRUSTED TO DO AS EXPECTED.

(U) DATA STANDARD USAGE: VMF STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 001	RELIABILITY EVALUATION [3 BIT]	THE GENERAL APPRAISAL OF THE SOURCE IN GRADED TERMS TO INDICATE THE EXTENT TO WHICH IT HAS BEEN PROVEN IT CAN BE COUNTED ON OR TRUSTED TO DO AS EXPECTED.	K02.5 K02.9 K05.17
(U) 002	EVALUATION RATING [14 BIT]	ONE LETTER AND ONE NUMBER INDICATING ENEMY CAPABILITY/STATUS IN ACCORDANCE WITH STANAG 2022.	K05.17
(U) N01	***NOTATION CONFIDENCE [4 BIT]***	***EXPRESSES THE CONFIDENCE OF THE ELECTRONIC INTELLIGENCE (ELINT) NOTATION OF THE EMITTER BEING REPORTED.***	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) COMPLETELY RELIABLE	0	
(U) USUALLY RELIABLE	1	
(U) FAIRLY RELIABLE	2	
(U) NOT USUALLY RELIABLE	3	
(U) UNRELIABLE	4	
(U) RELIABILITY CANNOT BE JUDGED	5	
(U) ILLEGAL	6 THROUGH 7	

DFI NAME DEFINITION

(U) 4051 RELIABILITY EVALUATION

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI 002 -----		
(U) ----- THE 14 BITS OF THIS RATING ARE DIVIDED INTO 2 GROUPS OF 7 BITS EACH -----		
----- REPRESENTING AN ANSI ASCII ALPHANUMERIC PAIR (ONE LETTER, ONE NUMBER) -----		
----- TO IDENTIFY AN EVALUATION RATING IN ACCORDANCE WITH STANAG -----		
----- 2022. -----		
(U) ----- FOR DUI N01 -----		
(U) NO STATEMENT	***0***	
(U) UNKNOWN	***1***	
(U) 20 TO 29 PERCENT	***2***	***LOW***
(U) 30 TO 39 PERCENT	***3***	
(U) 40 TO 49 PERCENT	***4***	
(U) 50 TO 59 PERCENT	***5***	
(U) 60 TO 69 PERCENT	***6***	
(U) 70 TO 79 PERCENT	***7***	
(U) 80 TO 89 PERCENT	***8***	
(U) 90 TO 100 PERCENT	***9***	***HIGH***
(U) UNDEFINED	***10 THROUGH 15***	

DFI NAME
(U) 4079 1-BIT INDICATOR

DUI NAME	EXPLANATION	APPLICABILITY
(U) N19 EXERCISE PARTICIPANT [1 BIT]	***IDENTIFIES WHETHER THE PLATFORM IS A PARTICIPANT IN AN EXERCISE.***	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	0	
(U) DELETE QUICK FIRE MISSION	1	TERMINATES THE CURRENT QUICK FIRE OR COPPERHEAD FIRE MISSION.
(U) ----- FOR DUI 002 -----		
(U) NO STATEMENT	0	
(U) SPECIAL APPLICATIONS APPLIED	1	ROCKET/MISSILE MUNITIONS APPLICATIONS HAVE ALREADY BEEN PROCESSED.
(U) ----- FOR DUI 003 -----		
(U) NO STATEMENT	0	
(U) REINFORCING BATTALION	1	
(U) ----- FOR DUI 004 -----		
(U) HIGH BURST	0	
(U) MEAN POINT OF IMPACT	1	
(U) ----- FOR DUI 005 -----		
(U) DO NOT REPORT VERTICAL ANGLE	0	
(U) REPORT VERTICAL ANGLE	1	

DFI NAME
(U) 4079 1-BIT INDICATOR

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI 033 -----		
(U) REQUEST	0	
(U) RESPONSE	1	
(U) ----- FOR DUI 034 -----		
(U) CTIL	0	INDICATES A COMMANDERS TRACKED ITEM LIST (CTIL) ACTION MESSAGE.
(U) BRIL	1	INDICATES A BASIC RESOURCE ITEM LIST (BRIL) ACTION MESSAGE.
(U) ----- FOR DUI 035 -----		
(U) NON HELLFIRE	0	
(U) HELLFIRE MISSION	1	
(U) ----- FOR DUI 036 -----		
(U) AT MY COMMAND	0	
(U) WHEN READY	1	
(U) ----- FOR DUI N19 -----		
(U) NOT A PARTICIPANT	***0***	
(U) PARTICIPANT	***1***	

DFI NAME DEFINITION

(U) 4104 RADIO FREQUENCY

(U) DATA STANDARD USAGE: VMF STATUS:

	DUI	NAME	EXPLANATION	APPLICABILITY		
(U)	001	FINAL CONTROL AGENCY RADIO FREQUENCY [56 BIT]	FINAL CONTROL AGENCY PRIMARY CONTACT RADIO FREQUENCY.	K02.27	K02.32	K02.33
(U)	002	AGENCY CONTACT FREQUENCY DESIGNATOR [56 BIT]	THE PICKUP ZONE CONTROL AGENCY FREQUENCY.	K07.1	K07.5	
(U)	004	FINAL CONTROL AGENCY SECONDARY RADIO FREQUENCY [56 BIT]	FINAL CONTROL AGENCY ALTERNATE CONTACT RADIO FREQUENCY.	K02.27	K02.32	K02.33
(U)	***N02***	***RADIO FREQUENCY STABILITY [2 BIT]***	***THE STABILITY OF THE RADIO FREQUENCY (RF) SIGNAL IN TERMS OF DEVIATION FROM THE CENTER FREQUENCY.***			

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUIS 001, 002, AND 004 -----		
(U) ----- THE 56 BITS OF THE RADIO FREQUENCY ARE DIVIDED INTO GROUPS OF 7 BITS ----- ----- EACH REPRESENTING ANSI ASCII CHARACTER CODING, SPECIAL CHARACTERS ARE ----- ----- ILLEGAL. -----		
(U) ----- FOR DUI N02 -----		
(U) NO STATEMENT	***0***	
(U) 10 THROUGH 32 MHZ DEVIATION	***1***	
(U) 0 THROUGH 10 MHZ DEVIATION	***2***	
(U) 0 THROUGH 3 MHZ DEVIATION	***3***	

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DFI	*NAME*	*DEFINITION*
(U)	*N026 BLIP COUNT*	

(U) DATA STANDARD USAGE: *STATUS:*

DUI NAME	*EXPLANATION*	*APPLICABILITY*
(U) 001 BLIP COUNT [2 BIT]	*NUMBER OF VALID DIRECTION FINDING IWGS FOR GEOLOCATION.(IWGS IS AN ACRONYM FOR THE CLASSIFIED TITLE OF THE DOCUMENT THAT SUPPORTS THIS REQUIREMENT.)*	

DATA ITEM	*BIT CODE*	*EXPLANATION*
(U) ----- FOR DUI 001 -----		
(U) 0 THROUGH 3	*0 THROUGH 3*	*IN INCREMENTS OF 1.*

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DFI	*NAME*	*DEFINITION*
(U)	*N027 EMITTER MODULATION INDICATOR*	

(U) DATA STANDARD USAGE: *STATUS:*

DUI NAME	*EXPLANATION*	*APPLICABILITY*
(U) 001 EMITTER MODULATION CODE [2 BIT]	*CODE WHICH DESCRIBES THE EMITTER'S MODULATION RANGE.*	

DATA ITEM	*BIT CODE*	*EXPLANATION*
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	*0*	
(U) MODULATION IAW STANDARD ELINT DATA SYSTEM CODES AND FORMATS (SEDSCAF)	*1*	
(U) MODULATION - OTHER SOURCES	*2*	*THESE OTHER SOURCES ARE CLASSIFIED SYSTEMS THAT WOULD PROVIDE INFORMATION ON VARIOUS ELINT EMITTERS.*
(U) UNDEFINED	*3*	

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	DFI	NAME	DEFINITION
(U)	N028	EMITTER FUNCTION CODE	

(U) DATA STANDARD USAGE: STATUS:

	DUI NAME	EXPLANATION	APPLICABILITY
(U)	001 EMITTER FUNCTION CODE [14 BIT]	CODE WHICH DESCRIBES THE EMITTER'S FUNCTION.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) ----- THE 14 BITS OF THIS DUI ARE DIVIDED INTO 2 GROUPS OF 7 BITS EACH -----		
----- REPRESENTING ANSI ASCII CHARACTER CODING, SPECIAL CHARACTERS ARE LEGAL. -----		

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DFI	*NAME*	*DEFINITION*
(U)	*N029 EMITTER MODULATION*	

(U) DATA STANDARD USAGE: *STATUS:*

DUI NAME	*EXPLANATION*	*APPLICABILITY*
(U) 001 EMITTER MODULATION [14 BIT]	*CODE WHICH DESCRIBES THE PRIMARY MODULATION IN USE BY THE REFERENCED EMITTER.*	

DATA ITEM	*BIT CODE*	*EXPLANATION*
(U) ----- FOR DUI 001 -----		
(U) ----- THE 14 BITS OF THIS DUI ARE DIVIDED INTO 2 GROUPS OF 7 BITS EACH -----		
----- REPRESENTING ANSI ASCII CHARACTER CODING, SPECIAL CHARACTERS ARE LEGAL. -----		

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DFI	NAME	DEFINITION
(U)	N030	JITTER RANGE

(U) DATA STANDARD USAGE: STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 001	JITTER RANGE [23 BIT]	JITTER MEASUREMENT REFLECTED BY A RANDOM VARIATION OF A RANGE VALUE CENTERED AT THE PULSE REPETITION INTERVAL (PRI).	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	0	
(U) .004 THROUGH 33,554.428	1 THROUGH 8388607	IN 4/1000 MICROSECOND INCREMENTS.

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DFI	NAME	DEFINITION
(U) N031	FREQUENCY HOP TRANSMISSION CHARACTERISTICS	

(U) DATA STANDARD USAGE: STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 001	HOP DWELL [14 BIT]	THE PERIOD OF TIME A FREQUENCY HOP TRANSMISSION DWELLS ON AN INDIVIDUAL RADIO FREQUENCY.	
(U) 002	HOP RATE [10 BIT]	INDICATES THE HOP RATE OF A FREQUENCY HOP TRANSMISSION.	
(U) 003	HOP SPACING ELEMENT [10 BIT]	INDICATES THE SPACING BETWEEN HOPS OF A FREQUENCY HOP TRANSMISSION.	
(U) 004	HOP SPREADER TYPE [2 BIT]	A DESCRIPTION OF THE CHARACTERISTIC PARAMETERS OF FREQUENCY HOPPING/DIRECT SEQUENCE SPREAD SPECTRUM TYPE COMMUNICATIONS SYSTEMS.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	0	
(U) 0.05 THROUGH 819.15 MICROSECONDS	1 THROUGH 16383	IN 5/100 MICROSECOND INCREMENTS.
(U) ----- FOR DUI 002 -----		
(U) NO STATEMENT	0	

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DFI	*NAME*	*DEFINITION*	
(U) N031	*FREQUENCY HOP TRANSMISSION CHARACTERISTICS*		
	DATA ITEM (CONT'D)	*BIT CODE*	*EXPLANATION*
	(U) 1 THROUGH 999 HOPS/SECOND	*1 THROUGH 999*	*IN 1 HOP/SECOND INCREMENTS.*
	(U) UNDEFINED	*1000 THROUGH 1022*	
	(U) RESET TO NO STATEMENT	*1023*	
	(U) ----- FOR DUI 003 -----		
	(U) NO STATEMENT	*0*	
	(U) 1 THROUGH 999 HERTZ	*1 THROUGH 999*	*IN 1 HERTZ INCREMENTS.*
	(U) UNDEFINED	*1000 THROUGH 1023*	
	(U) ----- FOR DUI 004 -----		
	(U) NO STATEMENT	*0*	
	(U) FREQUENCY HOPPER	*1*	
	(U) SPREADER (DIRECT SEQUENCE)	*2*	
	(U) HYBRID (HOP/SPREAD COMBINATION)	*3*	

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DFI	NAME	DEFINITION
(U)	N032 JAMMING INDICATOR	INDICATES THE PRESENCE OR ABSENCE OF JAMMING ON THE REFERENCED EMITTER.

(U) DATA STANDARD USAGE:

STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) 001 JAMMING INDICATOR [2 BIT]	INDICATES WHETHER JAMMING IS PRESENT OR ABSENT.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	0	
(U) NO JAMMING PRESENT	1	
(U) JAMMING PRESENT	2	
(U) RESET TO NO STATEMENT/ UNDEFINED	3	

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	DFI	NAME	DEFINITION
(U)	N033	PULSE WIDTH SWITCHING INDICATOR	

(U) DATA STANDARD USAGE: STATUS:

	DUI NAME	EXPLANATION	APPLICABILITY
(U)	001 PULSE WIDTH SWITCHING INDICATOR [2 BIT]	INDICATES THE REFERENCED EMITTER IS EXHIBITING PULSE WIDTH SWITCHING CHARACTERISTICS.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	0	
(U) PULSE WIDTH SWITCHING PRESENT	1	
(U) PULSE WIDTH SWITCHING NOT PRESENT	2	
(U) RESET PULSE WIDTH SWITCHING TO NO STATEMENT	3	

Table 2-1. Default T/R Rules (Sheet 2 of 3)

Message Label	Message Title	Acknowledgement Required	Message* Precedence	Message Classification
K02.18	Fire Unit Capabilities	Yes	0	C
K02.19	Artillery Intelligence Query	Yes	0	C
K02.20	Survey Control Point Information Request	Yes	0	U
K02.21	Request for Clearance to Fire	Yes	2	C
K02.22	Subsequent Adjust	Yes	1	U
K02.23	Execute Fire Plan	Yes	0	C
K02.24	In Progress Mission Notification	Yes	1	C
K02.25	End of Mission Notification	Yes	1	U
K02.27	Tactical Air Request		1	C
K02.31	Mission Request Rejection		0	U
K02.32	Tactical Air Request (TAR) Acceptance		0	C
K02.33	Tactical Air Request Aircrew Briefing		1	U
K02.34	Aircraft On-Station		1	U
K02.35	Aircraft Depart Initial Point		1	U
K02.36	Aircraft Mission Update		1	U
K04.NEW	***ELINT Event Message***		***2***	***S*****
K05.2	NBC 1 Report		3	U
K05.3	NBC 2 Report		0	U
K05.4	NBC 3 Report		0	U
K05.5	NBC 4 Report		0	U

Table A-1. Message and Purpose Table

NUMBER	MESSAGE	PURPOSE
K04.3	Obstacle Report	To report obstacle type, location, impact on movement, bypass locations, safe corridors and enemy activity near the obstacle.
K04.4	Airborne Artillery Fire Control Radar (FCR) Report	This message provides for the exchange of FCR detected target array information among airborne artillery systems.
K04.9	Bridge Report	To report or confirm the description and condition of a bridge to support trafficability or destruction.
K04.NEW	***ELINT Event Message***	***To provide time critical operational electronic intelligence (ELINT) and parametric information.***
K05.1	Position Report	To provide friendly unit location data.
K05.2	Nuclear, Biological Chemical Report One (NBC 1)	To transmit an observer’s initial report of basic data pertinent to a nuclear, biological or chemical attack.
K05.3	Nuclear, Biological Chemical Report Two (NBC 2)	To transmit evaluated data of a nuclear, biological or chemical attack resulting from the processing of one or more NBC 1 reports.
K05.4	Nuclear, Biological Chemical Report Three (NBC 3)	To transmit immediate warning of predicted contamination and hazard areas following NBC attacks.
K05.5	Nuclear, Biological Chemical Report Four (NBC 4)	To transmit NBC monitoring and survey results.
K05.6	Nuclear, Biological Chemical Report Five (NBC 5)	To transmit actual nuclear, biological, or chemical contamination areas.
K05.7	Biological, Chemical Report Six (NBC 6)	To transmit detailed information on biological or chemical attacks.

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT EVENT MESSAGE

(U) MESSAGE PURPOSE: TO PROVIDE TIME CRITICAL OPERATIONAL ELECTRONIC INTELLIGENCE (ELINT) AND PARAMETRIC INFORMATION.

INDEX NO.	REFERENCE DFI/DUI	DUI NAME	# BITS	CAT	GROUP CODE	REPEAT CODE	RESOLUTION, CODING, ETC
1.	4003 009	EVENT IDENTIFICATION	56	M			
2.	4014 002	FPI	1				
2.1	4003 008	UNIQUE IDENTIFICATION	53				OWNER IDENTIFIER.
3.	4014 002	FPI	1				
3.1	1862 N01	CORRELATION INDEX	14				
4.	4014 001	GPI	1				GPI FOR G1. ELINT NOTATION INFORMATION.
4.1	4045 001	GRI	1		G1	R1C(5)	GRI FOR R1.
4.2	4014 002	FPI	1		G1	R1	
4.2.1	4003 N04	ELINT NOTATION	35		G1	R1	
4.3	4051 N01	NOTATION CONFIDENCE	4		G1	R1	
5.	4014 001	GPI	1				GPI FOR G2. TIME OF EVENT/GEO-LOCATION.
5.1	4099 001	MONTH	4		G2		
5.2	4019 001	DAY OF MONTH	5		G2		
5.3	792 001	HOUR	5		G2		
5.4	797 004	MINUTE	6		G2		
5.5	4014 002	FPI	1		G2		
5.5.1	380 408	SECOND, 0.1	10		G2		
5.6	4014 002	FPI	1		G2		
5.6.1	380 N08	SECOND, 0.000000001	36		G2		
5.7	4184 010	PRECISION, TIME	3		G2		
6.	4014 001	GPI	1				GPI FOR G3. INITIAL TIME.
6.1	4099 001	MONTH	4		G3		
6.2	4019 001	DAY OF MONTH	5		G3		
6.3	792 001	HOUR	5		G3		
6.4	797 004	MINUTE	6		G3		
6.5	4014 002	FPI	1		G3		

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT EVENT MESSAGE

INDEX NO.	REFERENCE DFI/DUI	DUI NAME	# BITS	CAT	GROUP CODE	REPEAT CODE	RESOLUTION, CODING, ETC
6.5.1	380 408	SECOND, 0.1	10		G3		
6.6	4014 002	FPI	1		G3		
6.6.1	380 N08	SECOND, 0.000000001	36		G3		
6.7	4184 010	PRECISION, TIME	3		G3		
7.	4014 001	GPI	1				GPI FOR G4. TIME LOST.
7.1	4099 001	MONTH	4		G4		
7.2	4019 001	DAY OF MONTH	5		G4		
7.3	792 001	HOUR	5		G4		
7.4	797 004	MINUTE	6		G4		
7.5	4014 002	FPI	1		G4		
7.5.1	380 408	SECOND, 0.1	10		G4		
7.6	4014 002	FPI	1		G4		
7.6.1	380 N08	SECOND, 0.000000001	36		G4		
7.7	4184 010	PRECISION, TIME	3		G4		
8.	4014 001	GPI	1				GPI FOR G5. AVERAGE TIME.
8.1	4099 001	MONTH	4		G5		
8.2	4019 001	DAY OF MONTH	5		G5		
8.3	792 001	HOUR	5		G5		
8.4	797 004	MINUTE	6		G5		
8.5	4014 002	FPI	1		G5		
8.5.1	380 408	SECOND, 0.1	10		G5		
8.6	4014 002	FPI	1		G5		
8.6.1	380 N08	SECOND, 0.000000001	36		G5		
8.7	4184 010	PRECISION, TIME	3		G5		
9.	4014 001	GPI	1				GPI FOR G6. FREQUENCY INFORMATION.
9.1	4045 001	GRI	1		G6	R2C(5)	GRI FOR R2.
9.2	417 N12	FREQUENCY, 3 (FRQ 3)	20		G6	R2	
9.3	1820 N01	FREQUENCY MULTIPLIER, 3 (FRQ ML3)	4		G6	R2	
9.4	4184 005	PRECISION, FREQUENCY	2		G6	R2	

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(U) MESSAGE TITLE: ELINT EVENT MESSAGE

(U) INDEX NO.	*REFERENCE DFI/DUI DUI NAME*	*# BITS*	*CAT*	*GROUP CODE*	*REPEAT CODE*	*RESOLUTION, CODING, ETC*
9.5	*4104 N02 RADIO FREQUENCY STABILITY*	*2*		*G6*	*R2*	
9.6	*1203 N01 FREQUENCY AGILITY INDICATOR, VMF*	*2*		*G6*	*R2*	
9.7	*4014 002 FPI*	*1*		*G6*	*R2*	
9.7.1	*N026 001 BLIP COUNT*	*2*		*G6*	*R2*	
9.8	*417 N14 PEAK FREQUENCY*	*20*		*G6*	*R2*	
9.9	*1820 N02 PEAK FREQUENCY MULTIPLIER*	*4*		*G6*	*R2*	
9.10	*434 N01 EMISSION POLARIZATION (PLR)*	*4*		*G6*	*R2*	
10.	*4014 001 GPI*	*1*				*GPI FOR G7. EMITTER MODULATION.*
10.1	*N027 001 EMITTER MODULATION CODE*	*2*		*G7*		
10.2	*4014 002 FPI*	*1*		*G7*		
10.2.1	*N028 001 EMITTER FUNCTION CODE*	*14*		*G7*		
10.3	*4014 002 FPI*	*1*		*G7*		
10.3.1	*N029 001 EMITTER MODULATION*	*14*		*G7*		
11.	*4014 001 GPI*	*1*				*GPI FOR G8. PULSE REPETITION*
11.1	*4014 002 FPI*	*1*		*G8*		*INTERVAL INFORMATION*
11.1.1	*440 N01 PULSE REPETITION FREQUENCY (PRF), VMF*	*29*		*G8*		
11.2	*1903 N04 PRI TYPE*	*3*		*G8*		
11.3	*4014 002 FPI*	*1*		*G8*		
11.3.1	*1903 N05 PULSE REPETITION INTERVAL (PRI), VMF*	*28*		*G8*		
11.4	*4014 002 FPI*	*1*		*G8*		
11.4.1	*1903 N01 AVERAGE PRI*	*28*		*G8*		
11.5	*4014 002 FPI*	*1*		*G8*		
11.5.1	*1903 N06 GROUP REPETITION INTERVAL (GRI), VMF*	*28*		*G8*		
11.6	*4014 002 FPI*	*1*		*G8*		

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MESSAGE DESCRIPTION

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(U) MESSAGE TITLE: ELINT EVENT MESSAGE

(U) INDEX NO.	*REFERENCE DFI/DUI*	*DUI NAME*	*# BITS*	*CAT*	*GROUP CODE*	*REPEAT CODE*	*RESOLUTION, CODING, ETC*
11.6.1	*1903 N07*	*AVERAGE GROUP REPETITION INTERVAL*	*28*		*G8*		
11.7	*4014 002*	*FPI*	*1*		*G8*		
11.7.1	*1903 N03*	*PRI STABILITY*	*6*		*G8*		
11.8	*4014 001*	*GPI*	*1*		*G8*		*GPI FOR G9. PULSE WIDTH INFORMATION.*
11.8.1	*435 N01*	*PULSE WIDTH*	*14*		*G8/G9*		
11.8.2	*435 N02*	*PULSE WIDTH, FIRST LOBE*	*15*		*G8/G9*		
11.8.3	*435 N03*	*PULSE WIDTH, SECOND LOBE*	*15*		*G8/G9*		
11.8.4	*435 N04*	*PULSE WIDTH, COMPOSITE*	*15*		*G8/G9*		
11.8.5	*N033 001*	*PULSE WIDTH SWITCHING INDICATOR*	*2*		*G8/G9*		
11.8.6	*435 N05*	*PULSE WIDTH SWITCHING HIGH VALUE*	*14*		*G8/G9*		
11.8.7	*435 N06*	*PULSE WIDTH SWITCHING LOW VALUE*	*14*		*G8/G9*		
11.8.8	*435 N07*	*PULSE RATE*	*8*		*G8/G9*		
11.9	*433 N01*	*SCAN TYPE, VMF*	*5*		*G8*		
11.10	*1580 N01*	*SCAN RATE, VMF*	*14*		*G8*		
11.11	*1580 N02*	*SCAN PERIOD, VMF*	*17*		*G8*		
11.12	*N030 001*	*JITTER RANGE*	*23*		*G8*		
11.13	*1903 N11*	*PRI STAGGER LEGS*	*5*		*G8*		
11.14	*4014 002*	*FPI*	*1*		*G8*		
11.14.1	*4045 002*	*FRI*	*1*		*G8*	*R3C(32)*	
11.14.2	*1903 N08*	*STAGGER LEGS*	*28*		*G8*	*R3*	
11.15	*1903 N12*	*STAGGER HIGH*	*14*		*G8*		
11.16	*1903 N13*	*STAGGER LOW*	*14*		*G8*		
11.17	*1821 N01*	*WARTIME RESERVE MODE, 1 (WTR MDE)*	*2*		*G8*		
12.	*4014 001*	*GPI*	*1*				*GPI FOR G10. FREQUENCY HOP TRANSMISSION*
12.1	*N031 001*	*HOP DWELL*	*14*		*G10*		
12.2	*N031 002*	*HOP RATE*	*10*		*G10*		

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT EVENT MESSAGE

(U) INDEX NO.	REFERENCE DFI/DUI	DUI NAME	# BITS	CAT	GROUP CODE	REPEAT CODE	RESOLUTION, CODING, ETC
12.3	1820 N03	HOP RATE MULTIPLIER	4		G10		
12.4	N031 003	HOP SPACING ELEMENT	10		G10		
12.5	1820 N04	HOP SPACE MULTIPLIER	4		G10		
12.6	N031 004	HOP SPREADER TYPE	2		G10		
13.	4014 001	GPI	1				GPI FOR G11. LOCATION.
13.1	1805 401	SECTOR/AREA/LOCATION TYPE	3		G11		
13.2	4014 001	GPI	1		G11		GPI FOR G12. LATITUDE/LONGITUDE.
13.2.1	281 443	LATITUDE, 0.03 FEET	31		G11/G12		
13.2.2	282 443	LONGITUDE, 0.03 FEET	32		G11/G12		
13.2.3	4184 001	PRECISION, POSITION	5		G11/G12		
13.3	4014 001	GPI	1		G11		GPI FOR G13. AREA OF UNCERTAINTY.
13.3.1	351 009	SQUARE/CIRCLE SWITCH	2		G11/G13		
13.3.2	1806 001	AXIS ORIENTATION	8		G11/G13		
13.3.3	419 401	SEMI MAJOR AXIS	24		G11/G13		
13.3.4	4014 002	FPI	1		G11/G13		
13.3.4.1	419 402	SEMI MINOR AXIS	24		G11/G13		
13.3.5	4184 006	PRECISION, LINEAR	4		G11/G13		
13.4	4014 002	FPI	1		G11		
13.4.1	369 401	PROBABILITY OF CONTAINMENT	7		G11		
13.5	4014 001	GPI	1		G11		GPI FOR G14. LINE OF BEARING.
13.5.1	4045 001	GRI	1		G11/G14	R4C(2)	GRI FOR R4. START/STOP BEARING.
13.5.1.1	4014 002	FPI	1		G11/G14	R4	
13.5.1.1.1	372 408	BEARING, 0.1 DEGREE	12		G11/G14	R4	
13.5.1.2	4014 002	FPI	1		G11/G14	R4	
13.5.1.2.1	372 N13	BEARING, 0.01 DEGREE	16		G11/G14	R4	
13.5.1.3	4184 004	PRECISION, BEARING	2		G11/G14	R4	
13.5.1.4	4014 002	FPI	1		G11/G14	R4	
13.5.1.4.1	372 409	BEARING UNCERTAINTY	10		G11/G14	R4	
13.5.1.5	4014 002	FPI	1		G11/G14	R4	
13.5.1.5.1	372 N12	BEARING UNCERTAINTY, 0.01	14		G11/G14	R4	
13.5.2	4014 001	GPI	1		G11/G14		GPI FOR G15. RANGE.
13.5.2.1	4045 001	GRI	1		G11/G14 /G15	R5C(4)	GRI FOR R5. MINIMUM/MAXIMUM RANGE.

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MESSAGE DESCRIPTION

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(U) MESSAGE TITLE: ELINT EVENT MESSAGE

(U) INDEX NO.	*REFERENCE DFI/DUI*	*DUI NAME*	*# BITS*	*CAT*	*GROUP CODE*	*REPEAT CODE*	*RESOLUTION, CODING, ETC*
13.5.2.2	*757 421*	*RANGE, 2*	*25*		*G11/G14 R5 /G15*		
13.5.2.3	*4184 006*	*PRECISION, LINEAR*	*4*		*G11/G14 R5 /G15*		
13.6	*4014 001*	*GPI*	*1*		*G11*		*GPI FOR G16. ALTITUDE.*
13.6.1	*365 N07*	*ALTITUDE, 1*	*23*		*G11/G16*		
13.6.2	*4184 008*	*PRECISION, ALTITUDE*	*3*		*G11/G16*		
13.7	*4014 001*	*GPI*	*1*		*G11*		*GPI FOR G17. ELEVATION.*
13.7.1	*4130 001*	*ELEVATION, FEET*	*17*		*G11/G17*		
13.7.2	*4184 009*	*PRECISION, ELEVATION*	*3*		*G11/G17*		
13.8	*4014 001*	*GPI*	*1*		*G11*		*GPI FOR G18. COURSE/HEADING/SPEED.*
13.8.1	*4014 002*	*FPI*	*1*		*G11/G18*		
13.8.1.1	*371 015*	*COURSE*	*9*		*G11/G18*		
13.8.2	*371 N17*	*COURSE, INTERCARDINAL*	*4*		*G11/G18*		
13.8.3	*371 N18*	*HEADING, 2*	*9*		*G11/G18*		
13.8.4	*371 N19*	*HEADING, INTERCARDINAL*	*4*		*G11/G18*		
13.8.5	*4014 002*	*FPI*	*1*		*G11/G18*		
13.8.5.1	*367 418*	*SPEED, ENTITY*	*11*		*G11/G18*		
13.8.6	*4014 002*	*FPI*	*1*		*G11/G18*		
13.8.6.1	*367 N17*	*GROUND SPEED*	*13*		*G11/G18*		
13.8.7	*4184 002*	*PRECISION, SPEED*	*3*		*G11/G18*		
14.	*4014 001*	*GPI*	*1*				*GPI FOR G19. MISCELLANEOUS INFORMATION.*
14.1	*355 002*	*EMERGENCY INDICATOR*	*1*		*G19*		
14.2	*4014 002*	*FPI*	*1*		*G19*		
14.2.1	*4157 002*	*ALERT CODE*	*2*		*G19*		
14.3	*4014 002*	*FPI*	*1*		*G19*		
14.3.1	*4093 023*	*MTST USE STATUS INDICATOR*	*2*		*G19*		
15.	*4014 001*	*GPI*	*1*				*GPI FOR G20. ICON INFORMATION.*
15.1	*275 401*	*ENVIRONMENT/CATEGORY, VMF*	*3*		*G20*		
15.2	*376 401*	*IDENTITY, VMF*	*3*		*G20*		
15.3	*4014 002*	*FPI*	*1*		*G20*		
15.3.1	*424 003*	*THREAT EVALUATION*	*3*		*G20*		

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT EVENT MESSAGE

(U) INDEX NO.	*REFERENCE DFI/DUI*	*DUI NAME*	*# BITS*	*CAT*	*GROUP REPEAT CODE*	*REPEAT CODE*	*RESOLUTION, CODING, ETC*
15.4	*4014 002*	*FPI*	*1*		*G20*		
15.4.1	*4127 005*	*NATIONALITY*	*9*		*G20*		
15.5	*4173 003*	*ICON STATUS*	*2*		*G20*		
15.6	*4173 004*	*ICON BASIC TYPE*	*4*		*G20*		
15.7	*4014 001*	*GPI*	*1*		*G20*		*GPI FOR G21. ICON SYMBOL.*
15.7.1	*4045 001*	*GRI*	*1*		*G20/G21*	*R6C(4)*	*GRI FOR R6.*
15.7.2	*4173 005*	*ICON PRIMARY ROLE*	*14*		*G20/G21*	*R6*	
15.7.3	*4173 006*	*ICON SECONDARY ROLE*	*14*		*G20/G21*	*R6*	
15.7.4	*4014 002*	*FPI*	*1*		*G20/G21*	*R6*	
15.7.4.1	*4153 001*	*SIZE*	*5*		*G20/G21*	*R6*	
15.7.5	*4014 002*	*FPI*	*1*		*G20/G21*	*R6*	
15.7.5.1	*4118 004*	*SYMBOL COLOR*	*4*		*G20/G21*	*R6*	
16.	*4014 002*	*FPI*	*1*				
16.1	*4093 024*	*TRACK TYPE*	*2*				
17	*N032 001*	*JAMMING INDICATOR*	*2*	*M*			
18.	*4079 N19*	*EXERCISE PARTICIPANT*	*1*	*M*			
19.	*4014 002*	*FPI*	*1*				
19.1	*4075 001*	*COMMENTS*	*1400*				

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K04.NEW Message Processing

TITLE: ELINT Event Message

1. Cases. None.

2. Conditions. None.

2.1 IF GPI for G2 is specified "1" (PRESENT)
AND FPI for Second, 0.1 is specified "1" (PRESENT)
THEN FPI for Second, 0.000000001 is specified "0" (NOT PRESENT)
ENDIF

2.2 IF GPI for G2 is specified "1" (PRESENT)
AND FPI for Second, 0.000000001 is specified "1" (PRESENT)
THEN FPI for Second, 0.1 is specified "0" (NOT PRESENT)
ENDIF

2.3 IF GPI for G3 is specified "1" (PRESENT)
AND FPI for Second, 0.1 is specified "1" (PRESENT)
THEN FPI for Second, 0.000000001 is specified "0" (NOT PRESENT)
ENDIF

2.4 IF GPI for G3 is specified "1" (PRESENT)
AND FPI for Second, 0.000000001 is specified "1" (PRESENT)
THEN FPI for Second, 0.1 is specified "0" (NOT PRESENT)
ENDIF

2.5 IF GPI for G4 is specified "1" (PRESENT)
AND FPI for Second, 0.1 is specified "1" (PRESENT)
THEN FPI for Second, 0.000000001 is specified "0" (NOT PRESENT)
ENDIF

2.6 IF GPI for G4 is specified "1" (PRESENT)
AND FPI for Second, 0.000000001 is specified "1" (PRESENT)
THEN FPI for Second, 0.1 is specified "0" (NOT PRESENT)
ENDIF

2.7 IF GPI for G5 is specified "1" (PRESENT)
AND FPI for Second, 0.1 is specified "1" (PRESENT)
THEN FPI for Second, 0.000000001 is specified "0" (NOT PRESENT)
ENDIF

2.8 IF GPI for G5 is specified "1" (PRESENT)
AND FPI for Second, 0.000000001 is specified "1" (PRESENT)
THEN FPI for Second, 0.1 is specified "0" (NOT PRESENT)
ENDIF

2.9 IF FPI for Pulse Repetition Frequency (PRF), VMF [440/N01] is specified "1" (PRESENT)
THEN PRI Type [1903/N04] is specified "0" (NO STATEMENT)
AND FPI for Pulse Repetition Interval (PRI), VMF [1903/N05] is specified "0" (NOT PRESENT)
AND FPI for Average PRI [1903/N01] is specified "0" (NOT PRESENT)

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K04.NEW Message Processing (Cont'd)

AND FPI for Group Repetition Interval (GRI), VMF [1903/N06] is specified "0" (NOT PRESENT)
AND FPI for Average Group Repetition Interval [1903/N07] is specified "0" (NOT PRESENT)
ENDIF

2.10 IF PRI, Type [1903/N04] is specified "1" (SIMPLE)
OR PRI, Type [1903/N04] is specified "2" (STAGGER)
OR PRI, Type [1903/N04] is specified "3" (PHASE SHIFT)
OR PRI, Type [1903/N04] is specified "4" (COMPLEX)
OR PRI, Type [1903/N04] is specified "5" (UNDETERMINED)
OR PRI, Type [1903/N04] is specified "6" (CONTINUOUS WAVE (CW))
OR PRI, Type [1903/N04] is specified "7" (UNDEFINED)
THEN FPI for Pulse Repetition Frequency (PRF), VMF [440/N01] is specified "0" (NOT PRESENT)
ENDIF

2.11 IF PRI Type [1903/N04] is specified "6" (CONTINUOUS WAVE (CW))
THEN FPI for Pulse Repetition Interval (PRI), VMF [1903/N05] is specified "0" (NOT PRESENT)
AND FPI for Average PRI [1903/N01] is specified "0" (NOT PRESENT)
AND FPI for Pulse Width [435/N01} is specified "0" (NOT PRESENT)
ENDIF

2.12 IF Sector/Area/Location Type [1805/401] is specified "0" (POSITION)
THEN GPI for G12 is specified "1" (PRESENT)
ENDIF

2.13 IF Sector/Area/Location Type [1805/401] is specified "1" (LINE OF BEARING)
THEN GPI for G12 is specified "1" (PRESENT)
AND GPI for G14 is specified "1" (PRESENT)
AND GPI for G15 is specified "0" (NOT PRESENT)
ENDIF

2.14 IF Sector/Area/Location Type [1805/401] is specified "2" (BEARING FAN BOX)
THEN GPI for G12 is specified "1" (PRESENT)
AND GPI for G14 is specified "1" (PRESENT)
AND GPI for G15 is specified "1" (PRESENT)
AND R4 is specified with 2 iterations
AND The first iteration specifies the start bearing
AND The second iteration specifies the stop bearing
AND R5 is specified with 4 iterations
AND The first iteration specifies the maximum range of the start bearing
AND The second iteration specifies the minimum range of the start bearing
AND The third iteration specifies the maximum range of the stop bearing
AND The fourth iteration specifies the minimum range of the stop bearing
ENDIF

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K04.NEW Message Processing (Cont'd)

2.15 IF GPI for G14 is specified "1" (PRESENT)
AND FPI for Bearing, 0.1 Degree [372/408] is specified "1" (PRESENT)
THEN FPI for Bearing, 0.01 Degree [372/N13] is specified "0" (NOT PRESENT)
ENDIF

2.16 IF GPI for G14 is specified "1" (PRESENT)
AND FPI for Bearing, 0.01 Degree [372/N13] is specified "1" (PRESENT)
THEN FPI for Bearing, 0.1 Degree [372/408] is specified "0" (NOT PRESENT)
ENDIF

2.17 IF GPI for G14 is specified "1" (PRESENT)
AND FPI for Bearing, Uncertainty [372/409] is specified "1" (PRESENT)
THEN FPI for Bearing Uncertainty, 0.01 [372/N12] is specified "0" (NOT PRESENT)
ENDIF

2.18 IF GPI for G14 is specified "1" (PRESENT)
AND FPI for Bearing Uncertainty, 0.01 [372/N12] is specified "1" (PRESENT)
THEN FPI for Bearing, Uncertainty [372/409] is specified "0" (NOT PRESENT)
ENDIF

2.19 IF Reporting altitude for an Air entity
THEN GPI for G16 is specified "1" (PRESENT)
AND GPI for G17 is specified "0" (NOT PRESENT)
ENDIF

2.20 IF Reporting elevation for a Land entity
THEN GPI for G16 is specified "0" (NOT PRESENT)
AND GPI for G17 is specified "1" (PRESENT)
ENDIF

2.21 IF Precision, Position [4184/001] is specified "31" (OTHER)
OR Precision, Speed [4184/002] is specified "7" (OTHER)
OR Precision, Bearing [4184/004] is specified "3" (OTHER)
OR Precision, Linear [4184/006] is specified "15" (OTHER)
OR Precision, Altitude [4184/008] is specified "7" (OTHER)
OR Precision, Elevation [4184/009] is specified "7" (OTHER)
OR Precision, Time [4184/010] is specified "7" (OTHER)
THEN FPI for Comments [4014/002] is specified "1" (PRESENT)
ENDIF

2.22 IF FPI for Course [371/015] is specified "1" (PRESENT)
THEN Course, Intercardinal [371/N17] is specified "8 THROUGH 13" (UNDEFINED)
OR Course, Intercardinal [371/N17] is specified "14" (RESET TO NO STATEMENT)
OR Course, Intercardinal [371/N17] is specified "15" (NO STATEMENT)
ENDIF

ADD THIS PAGE TO THE VMF TIDP-TE

K04.NEW Message Processing (Cont'd)

2.23 IF Course, Intercardinal [371/N17] is specified "0" (NORTH)
OR Course, Intercardinal [371/N17] is specified "1" (NORTHEAST)
OR Course, Intercardinal [371/N17] is specified "2" (EAST)
OR Course, Intercardinal [371/N17] is specified "3" (SOUTHEAST)
OR Course, Intercardinal [371/N17] is specified "4" (SOUTH)
OR Course, Intercardinal [371/N17] is specified "5" (SOUTHWEST)
OR Course, Intercardinal [371/N17] is specified "6" (WEST)
OR Course, Intercardinal [371/N17] is specified "7" (NORTHWEST)
THEN FPI for Course [371/015] is specified "0" (NOT PRESENT)
ENDIF

2.24 IF Heading, 2 [371/N18] is specified "0 THROUGH 359" (0 THROUGH 359 DEGREES)
THEN Heading, Intercardinal [371/N19] is specified "8 THROUGH 13" (UNDEFINED)
OR Heading, Intercardinal [371/N19] is specified "14" (RESET TO NO STATEMENT)
OR Heading Intercardinal [371/N19] is specified "15" (NO STATEMENT)
ENDIF

2.25 IF Heading, Intercardinal [371/N19] is specified "0" (NORTH)
OR Heading, Intercardinal [371/N19] is specified "1" (NORTHEAST)
OR Heading, Intercardinal [371/N19] is specified "2" (EAST)
OR Heading, Intercardinal [371/N19] is specified "3" (SOUTHEAST)
OR Heading, Intercardinal [371/N19] is specified "4" (SOUTH)
OR Heading, Intercardinal [371/N19] is specified "5" (SOUTHWEST)
OR Heading, Intercardinal [371/N19] is specified "6" (WEST)
OR Heading, Intercardinal [371/N19] is specified "7" (NORTHWEST)
THEN FPI for Heading, 2 [371/N18] is specified "510" (RESET TO NO STATEMENT)
OR FPI for Heading, 2 [317/N18] is specified "511" (NO STATEMENT)
ENDIF

3. Defaults. None.

4. Service Restrictions. None.

5. Expected Response. None.

6. Special Considerations.

6.1 More than one ELINT Notation and Notation Confidence can be reported on any ELINT event which is why R1 can have five iterations. If the GRI for R1 is "0" (NOT REPEATABLE), then the one iteration reported will be the primary ELINT Notation and the primary Notation Confidence.

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-1. Related Message Implementation of Intelligence Operations Functional Area (Sheet 1 of 1)

MESSAGE (K4.m)	RELATED MESSAGE																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1. ELINT Event Message	"																
2. ELINT Description Event Message	o	"															
3. ELINT Evaluation Message	o		"														
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	
11.																	
12.																	

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-2. Minimum Implementation for Messages Applicable to Intelligence Operations by Subfunctional Element (Sheet 1 of 2)

MESSAGE (K4.m)	INTELLIGENCE OPERATIONS FUNCTIONAL AREA																	
	ELECTRONIC INTELLIGENCE																	
	JIC(JTF)	AAWC	ASWC	ASUWC	ASAC	ASWOC	AOC - INTEL	DSU (AF)	DIA	EWC	FCC	FOSIC	AF II (AF)	MAGTF-INTEL	OTC/ CWC/ CATF	RADBN DET	SUBOPCON CEN	TEP
1. ELINT Event Message	TR	TR	TR	TR	R	R	R	R	R	TR	R	TR	T	TR	TR	TR	R	T
2. ELINT Description Event Message	TR	TR	TR	TR	R	R	R	R	R	TR	R	TR	T	TR	TR	TR	R	T
3. ELINT Evaluation Message	TR	TR	TR	TR	R	R	R	R	R	TR	R	TR	T	TR	TR	TR	R	T

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-2. Minimum Implementation for Messages Applicable to Intelligence Operations by Subfunctional Element (Sheet 2 of 2)

MESSAGE (K4.m)	INTELLIGENCE OPERATIONS FUNCTIONAL AREA																	
	ELECTRONIC INTELLIGENCE																	
	TERPES	SUBCMD(N)	ALL FLEET UNITS															
1. ELINT Event Message	TR	T	T															
2. ELINT Description Event Message	TR	T	T															
3. ELINT Evaluation Message	TR	T	T															

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 1 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
1.	4003/009	Event Identification	M	X
2.	4014/002	FPI		X
2.1	4003/008	Unique Identification		X
3.	4014/002	FPI		X
3.1	1862/N01	Correlation Index		X
4.	4014/001	GPI for G1		X
4.1	4045/001	GRI for R1		X
4.2	4014/002	FPI		X
4.2.1	4003/N04	ELINT Notation		X
4.3	4051/N01	Notation Confidence		X
5.	4014/001	GPI for G2		X
5.1	4099/001	Month		X
5.2	4019/001	Day of Month		X
5.3	792/001	Hour		X
5.4	797/004	Minute		X
5.5	4014/002	FPI		X
5.5.1	380/408	Second, 0.1		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
5.6	4014/002	FPI		X
5.6.1	380/N08	Second, 0.000000001		X

ADD THIS PAGE TO THE VMF TIDP-TE

TABLE B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 2 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
5.7	4184/010	Precision, Time		X
6.	4014/001	GPI for G3		X
6.1	4099/001	Month		X
6.2	4019/001	Day of Month		X
6.3	792/001	Hour		X
6.4	797/004	Minute		X
6.5	4014/002	FPI		X
6.5.1	380/408	Second, 0.1		X
6.6	4014/002	FPI		X
6.6.1	380/N08	Second, 0.000000001		X
6.7	4184/010	Precision, Time		X
7.	4014/001	GPI for G4		X
7.1	4099/001	Month		X
7.2	4019/001	Day of Month		X
7.3	792/001	Hour		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
7.4	797/004	Minute		X
7.5	4014/002	FPI		X
7.5.1	380/408	Second, 0.1		X
7.6	4014/002	FPI		X

ADD THIS PAGE TO THE VMF TIDP-TE

TABLE B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 3 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
7.6.1	380/N08	Second, 0.000000001		X
7.7	4184/010	Precision, Time		X
8.	4014/001	GPI for G5		X
8.1	4099/001	Month		X
8.2	4019/001	Day of Month		X
8.3	792/001	Hour		X
8.4	797/004	Minute		X
8.5	4014/002	FPI		X
8.5.1	380/408	Second, 0.1		X
8.6	4014/002	FPI		X
8.6.1	380/N08	Second, 0.000000001		X
8.7	4184/010	Precision, Time		X
9.	4014/001	GPI for G6		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
9.1	4045/001	GRI for R2		X
9.2	417/N12	Frequency, 3 (FRQ 3)		X
9.3	1820/N01	Frequency Multiplier, 3 (FRQ ML3)		X
9.4	4184/005	Precision, Frequency		X
9.5	4104/N02	Radio Frequency Stability		X

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 4 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
9.6	1203/N01	Frequency Agility Indicator, VMF		X
9.7	4014/002	FPI		X
9.7.1	N026/001	Blip Count		X
9.8	417/N14	Peak Frequency		X
9.9	1820/N02	Peak Frequency Multiplier		X
9.10	434/N01	Emission Polarization (PLR)		X
10	4014/001	GPI for G7		X
10.1	N027/001	Emitter Modulation Code		X
10.2	4014/002	FPI		X
10.2.1	N028/001	Emitter Function Code		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
10.3	4014/002	FPI		X
10.3.1	N029/001	Emitter Modulation		X
11.	4014/001	GPI for G8		X
11.1	4014/002	FPI		X
11.1.1	440/N01	Pulse Repetition Frequency (PRF), VMF		X
11.2	1903/N04	PRI Type		X
11.3	4014/002	FPI		X
11.3.1	1903/N05	Pulse Repetition Interval (PRI), VMF		X
11.4	4014/002	FPI		X

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 5 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
11.4.1	1903/N01	Average PRI		X
11.5	4014/002	FPI		X
11.5.1	1903/N06	Group Repetition Interval (GRI), VMF		X
11.6	4014/002	FPI		X
11.6.1	1903/N07	Average Group Repetition Interval		X
11.7	4014/002	FPI		X
11.7.1	1903/N03	PRI Stability		X
11.8	4014/001	GPI for G9		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
11.8.1	435/N01	Pulse Width		X
11.8.2	435/N02	Pulse Width, First Lobe		X
11.8.3	435/N03	Pulse Width, Second Lobe		X
11.8.4	435/N04	Pulse Width, Composite		X
11.8.5	N033/001	Pulse Width Switching Indicator		X
11.8.6	435/N05	Pulse Width Switching High Value		X
11.8.7	435/N06	Pulse Width Switching Low Value		X
11.8.8	435/N07	Pulse Rate		X
11.9	433/N01	Scan Type, VMF		X
11.10	1580/N01	Scan Rate, VMF		X
11.11	1580/N02	Scan Period, VMF		X

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 6 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
11.12	N030/001	Jitter Range		X
11.13	1903/N11	PRI Stagger Legs		X
11.14	4014/002	FPI		X
11.14.1	4045/002	FRI		X
11.14.2	1903/N08	Stagger Legs		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
11.15	1903/N12	Stagger High		X
11.16	1903/N13	Stagger Low		X
11.17	1821/N01	WarTime Reserve Mode, 1 (WTR MDE)		X
12.	4014/001	GPI for G10		X
12.1	N031/001	Hop Dwell		X
12.2	N031/002	Hop Rate		X
12.3	1820/N03	Hop Rate Multiplier		X
12.4	N031/003	Hop Spacing Element		X
12.5	1820/N04	Hop Space Multiplier		X
12.6	N031/004	Hop Spreader Type		X
13.	4014/001	GPI for G11		X
13.1	1805/401	Sector/Area/Location Type		X
13.2	4014/001	GPI for G12		X
13.2.1	281/443	Latitude, 0.03 Feet		X

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Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 7 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
13.2.2	282/443	Longitude, 0.03 Feet		X
13.2.3	4184/001	Precision, Position		X
13.3	4014/001	GPI for G13		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
13.3.1	351/009	Square/Circle Switch		X
13.3.2	1806/001	Axis Orientation		X
13.3.3	419/401	Semi Major Axis		X
13.3.4	4014/002	FPI		X
13.3.4.1	419/402	Semi Minor Axis		X
13.3.5	4184/006	Precision, Linear		X
13.4	4014/002	FPI		X
13.4.1	369/401	Probability of Containment		X
13.5	4014/001	GPI for G14		X
13.5.1	4045/001	GRI for R4		X
13.5.1.1	4014/002	FPI		X
13.5.1.1.1	372/408	Bearing, 0.1 Degree		X
13.5.1.2	4014/002	FPI		X
13.5.1.2.1	372/N13	Bearing, 0.01 Degree		X
13.5.1.3	4184/004	Precision, Bearing		X
13.5.1.4	4014/002	FPI		X

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Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 8 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
13.5.1.4.1	372/409	Bearing, Uncertainty		X
13.5.1.5	4014/002	FPI		X
13.5.1.5.1	372/N12	Bearing Uncertainty, 0.01		X
13.5.2	4014/001	GPI for G15		X
13.5.2.1	4045/001	GRI for R5		X
13.5.2.2	757/421	Range, 2		X
13.5.2.3	4184/006	Precision, Linear		X
13.6	4014/001	GPI for G16		X
13.6.1	365/N07	Altitude, 1		X
13.6.2	4184/008	Precision, Altitude		X
13.7	4014/001	GPI for G17		X
13.7.1	4130/001	Elevation, Feet		X
13.7.2	4184/009	Precision, Elevation		X
13.8	4014/001	GPI for G18		X
13.8.1	4014/002	FPI		X
13.8.1.1	371/015	Course		X
13.8.2	371/N17	Course, Intercardinal		X
13.8.3	371/N18	Heading, 2		X
13.8.4	371/N19	Heading, Intercardinal		X

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 9 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
13.8.5	4014/002	FPI		X
13.8.5.1	367/418	Speed, Entity		X
13.8.6	4014/002	FPI		X
13.8.6.1	367/N17	Ground Speed		X
13.8.7	4184/002	Precision, Speed		X
14.	4014/001	GPI for G19		X
14.1.1	355/002	Emergency Indicator		X
14.2	4014/002	FPI		X
14.2.1	4157/002	Alert Code		X
14.3	4014/002	FPI		X
14.3.1	4093/023	MTST Use Status Indicator		X
15.	4014/001	GPI for G20		X
15.1	275/401	Environment/Category, VMF		X
15.2	376/401	Identity, VMF		X
15.3	4014/002	FPI		X
15.3.1	424/003	Threat Evaluation		X
15.4	4014/002	FPI		X
15.4.1	4127/005	Nationality		X

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
15.5	4173/003	Icon Status		X

ADD THIS PAGE TO THE VMF TIDP-TE

Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 10 of 10)

K04.NEW MESSAGE ELINT Event Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
15.6	4173/004	Icon Basic Type		X
15.7	4014/001	GPI for G21		X
15.7.1	4045/001	GRI for R6		X
15.7.2	4173/005	Icon Primary Role		X
15.7.3	4173/006	Icon Secondary Role		X
15.7.4	4014/002	FPI		X
15.7.4.1	4153/001	Size		X
15.7.5	4014/002	FPI		X
15.7.5.1	4118/004	Symbol Color		X
16.	4014/002	FPI		X
16.1	4093/024	Track Type		X
17.	N032/001	Jamming Indicator	M	X
18.	4079/N19	Exercise Participant	M	X
19.	4014/002	FPI		X
19.1	4075/001	Comments		X

ATTACHMENT 2
OPERATIONAL USE

MESSAGE NO.: ***K04.NEW***

MESSAGE NAME: ***ELINT EVENT MESSAGE***

OPERATIONAL USE: *The Electronic Intelligence (ELINT) Event message is used to report/describe ELINT parametrics of enemy, neutral, or friendly entities. The information contained in this message may be used for indications and warning, database maintenance, orders of battle, and strike planning. The ELINT Event message may be used in conjunction with the ELINT Description message which defines various system/command center database tags. This message may be transmitted from the unit detecting the ELINT entity directly to the next higher level echelon, as well as to shore analysis facilities. These facilities may also transmit this message to the fleet to inform them of possible ELINT contacts in their area of responsibility.*

INFORMATION EXCHANGE REQUIREMENTS:

Joint Intelligence Center (Joint Task Force) (JIC(JTF))	*T/R*
Antiair Warfare Commander (AAWC)	*T/R*
Antisubmarine Warfare Commander (ASWC)	*T/R*
Antisurface Warfare Commander (ASUWC)	*T/R*
All Source Analysis Center (ASAC)	*R*
Antisubmarine Warfare Operations Center (ASWOC)	*R*
Air Operations Center - Intelligence (AOC-INTEL)	*R*
Defense Intelligence Agency (DIA)	*R*
Electronic Warfare Commander (EWC)	*T/R*
Fleet Command Center (FCC)	*R*
Fleet Ocean Surveillance Information Center (FOSIC)	*T/R*
Marine Air Ground Task Force - Intelligence (MAGTF-INTEL)	*T/R*
Officer in Tactical Command/Composite Warfare Commander/Commander, Amphibious Task Force (OTC/CWC/CATF)	*T/R*
Radio Battalion Detachment (RADBN DET)	*T/R*
Submarine Operational Control Center (SUPOPCONCEN)	*R*
Subordinate Command (Navy) (SUBCMD (N))	*T*
Tactical ELINT Processor (TEP)	*T*
Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES)	*T/R*
All Fleet Units	*T*

INTERFACE CHANGE PROPOSAL (ICP)

ICP NUMBER:

CHANGE PROPOSAL TITLE: ELINT Evaluation MESSAGE

ORIGINATOR and ADDRESS: COMMANDING OFFICER
NAVY CENTER FOR TACTICAL SYSTEMS INTEROPERABILITY
53690 TOMAHAWK DRIVE
SAN DIEGO, CA. 92147-5082

ORIGINATOR'S INTERNAL NO: NV97-015

AFFECTED DOCUMENT: VMF TIDP-TE, Reissue 2

PRIORITY: Routine

ALLIED COORDINATION: None

RECOMMENDATIONS:

RECORD OF PROCESSING:

DATE: ACTION:

1. STATEMENT OF THE PROBLEM (U)

(U) There is no VMF message that addresses the reporting of an evaluation of a previously reported electronic intelligence event.

2. PROBLEM ANALYSIS (U)

(U) In combat situations, intelligence information is continually collected and reported. This information is analyzed, correlated and evaluated and subsequently transmitted to using units. There is a requirement to provide the results of the analysis of previously reported electronic intelligence events as it becomes available. This message will allow these evaluations, which augment previously reported events, to be submitted in a clear and concise manner.

3. PROPOSED SOLUTION (U)

(U) See attached change pages.

4. ALTERNATE SOLUTION (U)

(U) None.

5. AFFECTED DOCUMENTATION (U)

a. (U) VMF TIDP-TE Volume II, Reissue 2.
b. (U) VMF TIDP-TE Volume III, Reissue 2.
c. (U) Changes to the automated portions of the affected documents are too extensive to affect pen and ink revisions. Pages containing revised tables produced from the updated database will be provided separately after incorporation of the approved ICP into the database.

6. IMPACT ON TEST PLANS AND PROCEDURES (U)

(U) None.

7. IMPACT ON EXTERNAL BASELINES (U)

(U) None.

8. INCORPORATION DATE (U)

(U) Immediately after approval.

9. IMPLEMENTATION DATE (U)

(U) a. Initial Operational Capability (IOC): 2000

b. Full Operational Capability (FOC): 2003

10. OTHER CONSIDERATIONS (U)

(U) None.

11. PTRs ADDRESSED IN THIS ICP (U)

(U) None.

12. REFERENCES (U)

a. (U) NWP 1-03.40, Maritime Reporting System
b. (U) OS-OTG, Operational Specification for Over-The-Horizon Targeting GOLD
c. (U) VMF TIDP-TE Volume II, Reissue 2.
d. (U) VMF TIDP-TE Volume III, Reissue 2.
e. (U) MIL-STD-6016.
f. (U) MIL-STD-6040.

13. ATTACHMENTS (U)

a. (U) Change pages for affected documents.
b. (U) Operational Use.

ATTACHMENT 1
PROPOSED CHANGE PAGES
VMF TIDP-TE, REISSUE 2

ADD THIS PAGE TO THE VMF TIDP-TE

UNCLASSIFIED

	DFI	NAME	DEFINITION
(U)	417	FREQUENCY	EXPRESSES THE FREQUENCY OR FREQUENCY RANGE OF AN EMITTER.

(U) DATA STANDARD USAGE: VMF STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N13 CRYSTAL FREQUENCY [20 BIT]	THIS FIELD IS USED WITH FREQUENCY MULTIPLIER, 1 FIELD TO SPECIFY A FIXED FREQUENCY UNIQUE TO A RADAR EMITTER.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N13 -----		
(U) NO STATEMENT	0	
(U) NUMERIC	1 THROUGH 1048574	EXPRESSED IN HERTZ. THIS VALUE IS USED WITH THE FREQUENCY MULTIPLIER, 1 FIELD TO SPECIFY MULTIPLES OF THIS FREQUENCY.
(U) RESET TO NO STATEMENT	1048575	

ADD THIS PAGE TO THE VMF TIDP-TE

UNCLASSIFIED

DFI	NAME	DEFINITION
(U) 1820	FREQUENCY SCALE INDICATOR	

(U) DATA STANDARD USAGE: VMF STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 003	FREQUENCY MULTIPLIER, 1 [4 BIT] (FRQ ML1)	EXPRESSED AS A POWER OF TEN. THIS FIELD IS USED AS A MULTIPLIER TO DETERMINE THE FREQUENCY.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 003 -----		
(U) NUMERIC	0 THROUGH 14	
(U) NO STATEMENT	15	

UNCLASSIFIED

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	DFI	NAME	DEFINITION
(U)	1903	PULSE REPETITION INTERVAL	

(U) DATA STANDARD USAGE: VMF — STATUS:

DUI NAME	EXPLANATION	APPLICABILITY
(U) N02 BASEBAND PRI [28 BIT]	THE INTERVAL OF TIME BETWEEN TRANSMITTED PULSES OR PULSE GROUPS WHEN USING PULSE REPETITION INTERVAL (PRI) BASEBANDING (BB).	
(U) N09 BASEBAND TYPE [3 BIT]	THE TYPE OF BASEBAND PRI BEING MEASURED.	
(U) N10 CRYSTAL COUNTDOWN [10 BIT]	THE INDICATION OF THE TIMING PULSES OF A CRYSTAL CONTROLLED EMITTER.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI N02 -----		
(U) ILLEGAL	0	
(U) 0.1 THROUGH 26,843,545.5 NANOSECONDS	1 THROUGH 268435455	IN 0.1 NANOSECOND INCREMENTS.
(U) ----- FOR DUI N09 -----		
(U) NO STATEMENT	0	
(U) SIMPLE	1	
(U) STAGGER	2	
(U) PHASE SHIFT	3	
(U) COMPLEX	4	
(U) UNDETERMINED	5	
(U) CONTINUOUS WAVE (CW)	6	
(U) UNDEFINED	7	

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DFI NAME
(U) 1903 PULSE REPETITION INTERVAL

DATA ITEM (CONT'D)	*BIT CODE*	*EXPLANATION*
(U) ----- FOR DUI N10 -----		
(U) 0 THROUGH 1023	*0 THROUGH 1023*	*IN INCREMENTS OF 1.*

DFI NAME
(U) 4003 CODED NUMBER

DUI NAME	EXPLANATION	APPLICABILITY
(U) N03 SHIP CONTROL NUMBER [19 BIT]	***A UNIQUE IDENTIFICATION CODE ASSIGNED BY THE OFFICE OF NAVAL INTELLIGENCE (ONI) AND LISTED IN THE WORLDWIDE STANDARD REFERENCE (WWSTAR) AND DST 2050G-612 (SERIES).***	
(U) N04 ELINT NOTATION [35 BIT]	***THE ELECTRONIC INTELLIGENCE (ELINT) NOTATION DESIGNATION, AS DEFINED IN THE NSA ELINT PARAMETER LIMITS (EPL) LIST, OF THE EMITTER BEING REPORTED.***	
(U) N05 PLATFORM IDENTIFICATION NUMBER [63 BIT]	***A NINE ASCII CHARACTER NUMBER COMPOSED OF A LEADING "E" FOLLOWED BY THE TARGET ELECTRONIC SITE NUMBER AND TARGET EQUIPMENT ACCESSION SERIAL NUMBER.***	
(U) N06 DEVELOPMENTAL ELECTRONIC ORDER OF BATTLE/EQUIPMENT NUMBER [63 BIT]	***A NINE ASCII CHARACTER NUMBER COMPOSED OF A LEADING "D" FOLLOWED BY THE IDENTIFIED SITE NUMBER LISTED IN THE ELECTRONIC ORDER OF BATTLE (EOB) FOLLOWED BY THE UNIDENTIFIED EQUIPMENT NUMBER. IF THE SITE IS NOT LISTED IN EOB, THE NUMBER FOLLOWING THE "D" IS COMPOSED OF THE UNIDENTIFIED SITE IDENTIFIER FOLLOWED BY THE EQUIPMENT NUMBER.***	
(U) N08 TARGET IDENTIFIER BE NUMBER WITH SUFFIX [91 BIT]	***A 13 ASCII CHARACTER FIELD COMPOSED OF A LEADING "S" FOLLOWED BY THE WORLD AREA NUMBER, PROGRAM INDICATOR, BASIC ENCYCLOPEDIA (BE) NUMBER (E, F, -),AND INSTALLATION IDENTIFICATION SERIAL NUMBER.***	

DFI NAME
(U) 4003 CODED NUMBER

DUI NAME	EXPLANATION	APPLICABILITY
(U) N09 TARGET IDENTIFIER FIBE NUMBER [77 BIT]	***A 11 ASCII CHARACTER FIELD COMPOSED OF A LEADING "F' FOLLOWED BY THE WORLD AREA NUMBER, PRODUCER UNIT IDENTIFICATION, AND INSTALLATION IDENTIFICATION SERIAL NUMBER. FIELD INITIATED BASIC ENCYCLOPEDIA (BE) (FIBE) NUMBER.***	
(U) N22 UNIQUE IDENTIFICATION [53 BIT]	***ESTABLISHED BY THE SYSTEM THAT PROMULGATES AN EVENT OR ENTITY ONTO A COMMUNICATION NET TO IDENTIFY THAT EVENT OR ENTITY. THE THREE CHARACTER PREFIX IS USED TO IDENTIFY THE PROMULGATING SYSTEM, AND THE REMAINING PART OF THE FIELD IS A SEQUENTIAL NUMBER THAT WILL BE UNIQUE TO EACH EVENT OR ENTITY.***	
(U) N23 EVENT IDENTIFICATION [56 BIT]	***ESTABLISHED BY THE SYSTEM THAT PROMULGATES AN EVENT ONTO A COMMUNICATION NET TO IDENTIFY THAT EVENT. THE THREE CHARACTER PREFIX IS USED TO IDENTIFY THE PROMULGATING SYSTEM, AND THE REMAINING PART OF THE FIELD IS A SEQUENTIAL NUMBER THAT WILL BE UNIQUE TO EACH EVENT.***	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUIS 001 AND 004 -----		
(U) ----- THE 28 BITS OF THIS TARGET NUMBER ARE DIVIDED INTO 3 GROUPS. ----- THE FIRST 2 GROUPS ARE 7 BITS EACH AND REPRESENT ANSI ASCII A ----- THROUGH Z CHARACTER CODING. THE LAST GROUP IS 14 BITS AND ----- REPRESENTS A DECIMAL VALUE OF 0 THROUGH 9999. STRUCTURE OF THE ----- TARGET NUMBER IS CONTAINED IN QSTAG 221, TARGET NUMBERING ----- SYSTEM. -----		

DFI NAME
(U) 4003 CODED NUMBER

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI 003 -----		
(U) ----- THE 35 BITS OF THIS MISSION NUMBER ARE DIVIDED INTO 5 GROUPS OF ----- ----- 7 BITS EACH REPRESENTING ANSI ASCII CHARACTER CODING, A-Z, ----- ----- 0-9. SPECIAL CHARACTERS ARE ILLEGAL. -----		
(U) ----- FOR DUI 005 -----		
(U) ----- THE 35 BITS OF THIS MEDEVAC REQUEST NUMBER ARE DIVIDED INTO 5 ----- ----- GROUPS OF 7 BITS EACH REPRESENTING ANSI ASCII CHARACTER CODING. -----		
(U) ----- FOR DUI 006 -----		
(U) ----- THE 70 BITS OF THIS DUI ARE DIVIDED INTO TEN GROUPS OF 7 BITS EACH ----- ----- REPRESENTING AN ASCII CHARACTER. SPECIAL CHARACTERS ARE ALLOWED. -----		
(U) ----- FOR DUI 007 -----		
(U) 0000 THROUGH 9999	0 THROUGH 9999	THE FIRST TWO DIGITS REPRESENT OPERATION NUMBER AND THE SECOND TWO DIGITS REPRESENT OPERATION YEAR.
(U) ILLEGAL	10000 THROUGH 16383	
(U) ----- FOR DUI N03 -----		
(U) A00000 THROUGH A99999	***0 THROUGH 99999***	***NAVAL IN INCREMENTS OF 1.***
(U) B00000 THROUGH B99999	***100000 THROUGH 199999***	***AIRCRAFT IN INCREMENTS OF 1.***
(U) M00000 THROUGH M99999	***200000 THROUGH 299999***	***MERCHANT IN INCREMENTS OF 1.***
(U) N00000 THROUGH N99999	***300000 THROUGH 399999***	***MERCHANT IN INCREMENTS OF 1.***
(U) P00000 THROUGH P99999	***400000 THROUGH 499999***	***PSEUDO IN INCREMENTS OF 1.***
(U) ILLEGAL	***500000 THROUGH 524287***	

DFI NAME
(U) 4003 CODED NUMBER

DATA ITEM (CONT'D)	BIT CODE	EXPLANATION
(U) ----- FOR DUI N04 -----		
(U) ----- THE 35 BITS OF THIS DUI ARE DIVIDED INTO 5 GROUPS OF 7 BITS EACH ----- ----- REPRESENTING ANSI ASCII CHARACTER CODING, A-Z, 0-9. SPECIAL ----- ----- CHARACTERS ARE ILLEGAL. -----		
(U) ----- FOR DUIS N05 AND N06 -----		
(U) ----- THE 63 BITS OF THESE DUIS ARE DIVIDED INTO 9 GROUPS OF 7 BITS EACH ----- ----- REPRESENTING ANSI ASCII CHARACTER CODING. -----		
(U) ----- FOR DUI N08 -----		
(U) ----- THE 91 BITS OF THESE DUIS ARE DIVIDED INTO 13 GROUPS OF 7 BITS EACH ----- ----- REPRESENTING AN ASCII CHARACTER. SPECIAL CHARACTERS ARE ALLOWED. -----		
(U) ----- FOR DUI N09 -----		
(U) ----- THE 77 BITS OF THESE DUIS ARE DIVIDED INTO 11 GROUPS OF 7 BITS EACH ----- ----- REPRESENTING AN ASCII CHARACTER. SPECIAL CHARACTERS ARE ALLOWED. -----		
(U) ----- FOR DUI N22 -----		
(U) ----- THE 53 BITS OF THIS DUI ARE DIVIDED INTO 4 GROUPS. THE FIRST 3 GROUPS ----- (U) ----- ARE 7 BITS EACH REPRESENTING ANSI ASCII CHARACTERS. THE LAST GROUP IS ----- (U) ----- 32 BITS AND REPRESENTS A DECIMAL VALUE OF 0 THROUGH 4,294,967,295. -----		
(U) ----- FOR DUI N23 -----		
(U) ----- THE 56 BITS OF THIS DUI ARE DIVIDED INTO 4 GROUPS. THE FIRST 3 GROUPS ----- (U) ----- ARE 7 BITS EACH REPRESENTING ANSI ASCII CHARACTERS. THE LAST GROUP IS ----- (U) ----- 35 BITS AND REPRESENTS A DECIMAL VALUE OF 0 THROUGH 34,359,738,367. -----		

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	DFI	NAME	DEFINITION
(U)	N024	PRECISION	THE DEGREE OF REFINEMENT.

(U) DATA STANDARD USAGE: VMF STATUS:

	DUI	NAME	EXPLANATION	APPLICABILITY
(U)	005	PRECISION, FREQUENCY [2 BIT]	THE DEGREE OF REFINEMENT OF FREQUENCY AS ORIGINALLY REPORTED.	

DATA ITEM	*BIT CODE*	*EXPLANATION*
(U) ----- FOR DUI 005 -----		
(U) HERTZ	*0*	
(U) KILOHERTZ	*1*	
(U) MEGAHERTZ	*2*	
(U) GIGAHERTZ	*3*	

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DFI	NAME	DEFINITION
(U)	N025 CONFIDENCE LEVEL, VMF	PROVIDES THE DEGREE OF CONFIDENCE OF THE REPORTED EMITTER EVALUATION.

(U) DATA STANDARD USAGE: STATUS:

DUI	NAME	EXPLANATION	APPLICABILITY
(U) 001	NOTATION CONFIDENCE [4 BIT]	EXPRESSES THE CONFIDENCE OF THE ELECTRONIC INTELLIGENCE (ELINT) NOTATION OF THE EMITTER BEING REPORTED.	

DATA ITEM	BIT CODE	EXPLANATION
(U) ----- FOR DUI 001 -----		
(U) NO STATEMENT	0	
(U) UNKNOWN	1	
(U) 20 TO 29 PERCENT	2	LOW
(U) 30 TO 39 PERCENT	3	
(U) 40 TO 49 PERCENT	4	
(U) 50 TO 59 PERCENT	5	
(U) 60 TO 69 PERCENT	6	
(U) 70 TO 79 PERCENT	7	
(U) 80 TO 89 PERCENT	8	
(U) 90 TO 100 PERCENT	9	HIGH
(U) UNDEFINED	10 THROUGH 15	

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Table 2-1. Default T/R Rules (Sheet 2 of 3)

Message Title	Acknowledgement Required	Message* Precedence	Clas
Fire Unit Capabilities	Yes	0	
Artillery Intelligence Query	Yes	0	
Survey Control Point Information Request	Yes	0	
Request for Clearance to Fire	Yes	2	
Subsequent Adjust	Yes	1	
Execute Fire Plan	Yes	0	
In Progress Mission Notification	Yes	1	
End of Mission Notification	Yes	1	
Tactical Air Request		1	
Mission Request Rejection		0	
Tactical Air Request (TAR) Acceptance		0	
Tactical Air Request Aircrew Briefing		1	
Aircraft On-Station		1	
Aircraft Depart Initial Point		1	
Aircraft Mission Update		1	
ELINT Evaluation Message		***2***	
NBC 1 Report		3	
NBC 2 Report		0	
NBC 3 Report		0	
NBC 4 Report		0	

Table A-1. Message and Purpose Table

NUMBER	MESSAGE	PURPOSE
K04.3	Obstacle Report	To report obstacle type, location, impact on movement, bypass locations, safe corridors and enemy activity near the obstacle.
K04.4	Airborne Artillery Fire Control Radar (FCR) Report	This message provides for the exchange of FCR detected target array information among airborne artillery systems.
K04.9	Bridge Report	To report or confirm the description and condition of a bridge to support trafficability or destruction.
K04.NEW	***ELINT Evaluation Message***	***To provide an evaluation of the Electronic Intelligence (ELINT) contact reported by the ELINT Event message.***
K05.1	Position Report	To provide friendly unit location data.
K05.2	Nuclear, Biological Chemical Report One (NBC 1)	To transmit an observer's initial report of basic data pertinent to a nuclear, biological or chemical attack.
K05.3	Nuclear, Biological Chemical Report Two (NBC 2)	To transmit evaluated data of a nuclear, biological or chemical attack resulting from the processing of one or more NBC 1 reports.
K05.4	Nuclear, Biological Chemical Report Three (NBC 3)	To transmit immediate warning of predicted contamination and hazard areas following NBC attacks.
K05.5	Nuclear, Biological Chemical Report Four (NBC 4)	To transmit NBC monitoring and survey results.
K05.6	Nuclear, Biological Chemical Report Five (NBC 5)	To transmit actual nuclear, biological, or chemical contamination areas.
K05.7	Biological, Chemical Report Six (NBC 6)	To transmit detailed information on biological or chemical attacks.

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT EVALUATION MESSAGE

(U) MESSAGE PURPOSE: TO PROVIDE AN EVALUATION OF THE ELECTRONIC INTELLIGENCE (ELINT) CONTACT REPORTED BY THE ELINT EVENT MESSAGE.

	(U) INDEX NO.	REFERENCE DFI/DUI	DUI NAME	# BITS	CAT	GROUP REPEAT CODE	GROUP REPEAT CODE	RESOLUTION, CODING, ETC
	1.	4004 012	UNIT REFERENCE NUMBER (URN)	24	M			ORIGINATOR.
*	2.	4003 N23	EVENT IDENTIFICATION	56	M			EVENT IDENTIFIER.
*	3.	4003 N22	UNIQUE IDENTIFICATION	53	M			OWNER IDENTIFIER.
	4.	4098 001	YEAR	7	M			
	5.	4099 001	MONTH	4	M			
	6.	4019 001	DAY OF MONTH	5	M			
	7.	792 001	HOUR	5	M			
	8.	797 004	MINUTE	6	M			
	9.	4014 002	FPI	1				
	9.1	1903 N09	BASEBAND TYPE	3				
	10.	4014 002	FPI	1				
	10.1	1903 N02	BASEBAND PRI	28				
	11.	4014 002	FPI	1				
	11.1	417 N13	CRYSTAL FREQUENCY	20				
	12.	4014 002	FPI	1				
	12.1	1820 003	FREQUENCY MULTIPLIER, 1 (FRQ ML1)	4				
	13.	4104 002	FPI	1				
	13.1	N024 005	PRECISION, FREQUENCY	2				
	14.	4014 002	FPI	1				
	14.1	1903 N10	CRYSTAL COUNTDOWN	10				

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MESSAGE DESCRIPTION

(U) MESSAGE NUMBER: K04.NEW

(U) MESSAGE TITLE: ELINT EVALUATION MESSAGE

	(U) INDEX NO.	REFERENCE DFI/DUI DUI NAME	# BITS	CAT	GROUP CODE	REPEAT CODE	RESOLUTION, CODING, ETC
	15.	4014 001 GPI	1				GPI FOR G1.
	15.1	4045 001 GRI	1		G1	R1C(5)	GRI FOR R1.
	15.2	4014 002 FPI	1		G1	R1	
	15.2.1	4003 N04 ELINT NOTATION	35		G1	R1	
	15.3	4014 002 FPI	1		G1	R1	
*	15.3.1	N025 001 NOTATION CONFIDENCE	4		G1	R1	
	16.	4014 002 FPI	1				
	16.1	4127 005 NATIONALITY	9				
	17.	4014 002 FPI	1				
	17.1	4003 N03 SHIP CONTROL NUMBER	19				
	18.	4014 001 FPI	1				
	18.1	4003 N05 PLATFORM IDENTIFICATION NUMBER	63				
	19.	4014 002 FPI	1				
	19.1	4003 N06 DEVELOPMENTAL ELECTRONIC ORDER OF BATTLE/EQUIPMENT NUMBER	63				
	20.	4014 002 FPI	1				
	20.1	4003 N08 TARGET IDENTIFIER BE NUMBER WITH SUFFIX	91				
	21.	4014 002 FPI	1				
	21.1	4003 N09 TARGET IDENTIFIER FIBE NUMBER	77				
*	22.	4014 002 FPI	1				
*	22.1	0000 000 THREAT EVALUATION					
	23.	4014 002 FPI	1				
	23.1	4075 001 COMMENTS	1400				

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K04.NEW Message Processing

TITLE: ELINT Evaluation Message

1. Cases. None.

2. Conditions. None.

3. Defaults. None.

4. Service Restrictions. None.

5. Expected Response. None.

6. Special Considerations.

6.1 More than one ELINT Notation and Notation Confidence can be reported on any ELINT event which is why R1 can have five iterations. If the GRI for R1 is "0" (NOT REPEATABLE) then the one iteration reported will be the primary ELINT Notation and the primary Notation Confidence. If the GRI for R1 is "1" (REPEATABLE) then the subsequent iterations will be sequentially numbered.

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Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 1 of 3)

K04.NEW MESSAGE ELINT Evaluation Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
1.	4004/012	Unit Reference Number (URN)	M	X
2.	4003/N23	Event Identification	M	X
3.	4003/N22	Unique Identification	M	X
4.	4098/001	Year	M	X
5.	4099/001	Month	M	X
6.	4019/001	Day of Month	M	X
7.	792/001	Hour	M	X
8.	797/004	Minute	M	X
9.	4014/002	FPI		X
9.1	1903/N09	Baseband Type		X
10.	4014/002	FPI		X
10.1	1903/N02	Baseband PRI		X
11.	4014/002	FPI		X
11.1	417/N13	Crystal Frequency		X
12.	4014/002	FPI		X
12.1	1820/003	Frequency Multiplier, 1 (FRQ ML1)		X

K04.NEW MESSAGE ELINT Evaluation Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
13.	4014/002	FPI		X
13.1	N024/005	Precision, Frequency		X

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Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 2 of 3)

K04.NEW MESSAGE ELINT Evaluation Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
14.	4014/002	FPI		X
14.1	1903/N10	Crystal Countdown		X
15.	4014/001	GPI for G1		X
15.1	4045/001	GRI for R1		X
15.2	4014/002	FPI		X
15.2.1	4003/N04	ELINT Notation		X
15.3	4014/002	FPI		X
15.3.1	N025/001	Notation Confidence		X
16.	4014/002	FPI		X

K04.NEW MESSAGE ELINT Evaluation Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
16.1	4127/005	Nationality		X
17.	4014/002	FPI		X
17.1	4003/N03	Ship Control Number		X
18.	4014/002	FPI		X
18.1	4003/N05	Platform Identification Number		X
19.	4014/002	FPI		X
19.1	4003/N06	Developmental Electronic Order of Battle/Equipment Number		X
20.	4014/002	FPI		X
20.1	4003/N08	Target Identifier BE Number with Suffix		X
21.	4014/002	FPI		X

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Table B-V-XX. K04.NEW Field Level Minimum Implementation (Sheet 3 of 3)

K04.NEW MESSAGE ELINT Evaluation Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	

K04.NEW MESSAGE ELINT Evaluation Message				MINIMUM IMPLEMENTATION
INDEX NUMBER	DFI/DUI	DATA FIELD DESCRIPTOR	CAT	
21.1	4003/N09	Target Identifier FIBE Number		X
22.	4014/002	FPI		X
22.1	0000/000	Threat Evaluation		X
23.	4014/002	FPI		X
23.1	4075/001	Comments		X

ATTACHMENT 2
OPERATIONAL USE

MESSAGE NO.: ***K04.NEW***

MESSAGE NAME: ***ELINT EVALUATION MESSAGE***

OPERATIONAL USE: *The Electronic Intelligence (ELINT) Evaluation message is used to evaluate ELINT parametrics of enemy, neutral or friendly entities. The information contained in this message is used to augment the information provided in the ELINT Event message. The ELINT Evaluation message updates various system/command center database tags. This message may be transmitted by any unit directly to the next higher level echelon, as well as, to shore analysis facilities. These facilities may also transmit this message to the fleet to enable them to update their databases.*

INFORMATION EXCHANGE REQUIREMENTS:

Joint Intelligence Center (Joint Task Force) (JIC(JTF))	***T/R***
Antiair Warfare Commander (AAWC)	***T/R***
Antisubmarine Warfare Commander (ASWC)	***T/R***
Antisurface Warfare Commander (ASUWC)	***T/R***
All Source Analysis Center (ASAC)	***R***
Antisubmarine Warfare Operations Center (ASWOC)	***R***
Air Operations Center - Intelligence (AOC-INTEL)	***R***
Defense Intelligence Agency (DIA)	***R***
Electronic Warfare Commander (EWC)	***T/R***
Fleet Command Center (FCC)	***R***
Fleet Ocean Surveillance Information Center (FOSIC)	***T/R***
Marine Air Ground Task Force - Intelligence (MAGTF-INTEL)	***T/R***
Officer in Tactical Command/Composite Warfare Commander/Commander, Amphibious Task Force (OTC/CWC/CATF)	***T/R***
Radio Battalion Detachment (RADBN DET)	***T/R***
Submarine Operational Control Center (SUPOPCONCEN)	***R***
Tactical ELINT Processor (TEP)	***T***
Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES)	***T/R***
All Fleet Units	***T***